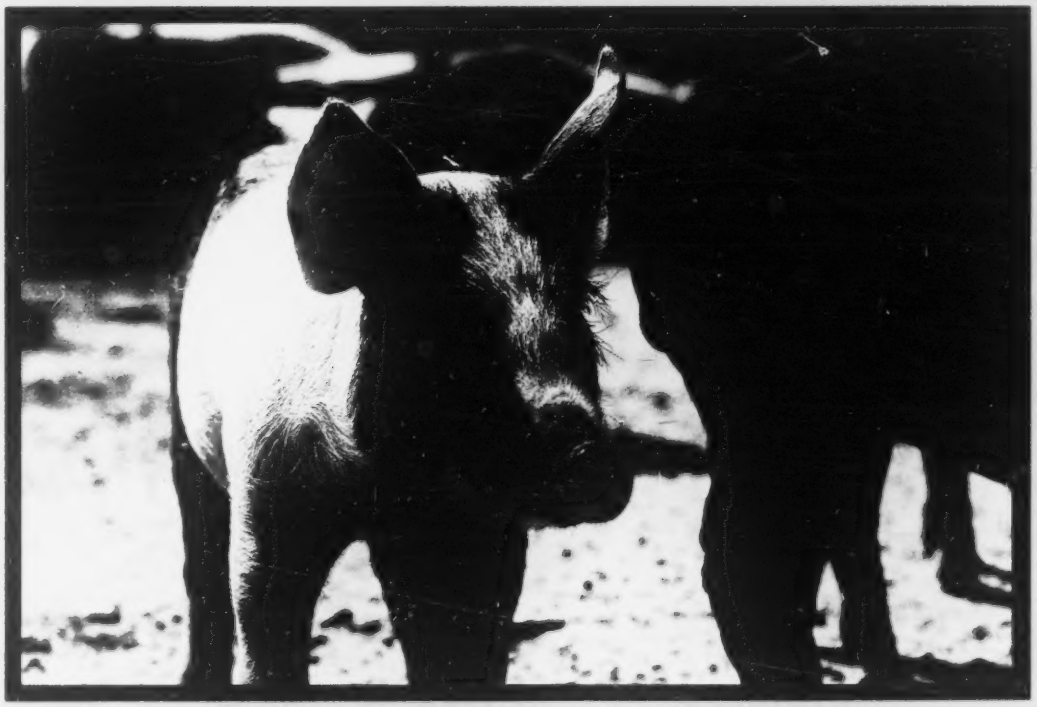
Minnesota Agriculture Statistics 1991



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Minnesota Agriculture Statistics 1991

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Foreword

STATE OF MINNESOTA
DEPARTMENT OF AGRICULTURE
OFFICE OF THE COMMISSIONER

Back in the late 1930s when the Soil Conservation Service first came along and, after 3-4 inch rainfalls throughout the summer, I saw what happened to our farm. My dad said, "We're going to have to change our practices."

That was a long time ago. We were one of the first farms to use conservation measures such as strip cropping. Some of those same strips are still in place today on our farm in Fillmore County.

Conservation and effective farm management today are a testimonial for the future: That our highest priority is preserving our land for the next generation.

Here at the Department of Agriculture, we are zeroing in on wetlands preservation and groundwater control. That's "maintenance" and is one of the many services we provide to the people who put food on America's tables. For the people sitting down at those tables, food safety will always be a priority at the Department. Today's consumers want safe food. Farmers provide it. The Department is the "quality control" behind it, assuring consumers that our farmers produce the safest food at the lowest prices in the world.

But the Department is more than "maintenance." We're looking decades ahead. So many new technologies are being developed that spell both promise and concern because their outcomes are still uncertain. We're committed to ensuring that these new developments in agriculture are to the benefit of both farmer and consumer.

This is my first year as your commissioner. Please know that my door is always open. I don't expect all the answers to many of the issues facing us to come from Washington or St. Paul. And to all the farmers and others who contributed their time in providing the information that resulted in this book, a special "thanks" to you -- for understanding that information is a priority in good farm management.

Elton R. Redalen

Elton Redalen, Commissioner
Minnesota Department of Agriculture

This publication provides the basic agricultural information for Minnesota in 1990. A new decade is beginning but the need for accurate, reliable data continues for producers and agribusinesses throughout Minnesota, the nation, and the world. It is through the voluntary cooperation of Minnesota farmers and agribusinesses that this publication is possible. They deserve our thanks for that effort. More important, however, is that they provide the American consumer with the highest quality food and fiber at the lowest cost of any country in the world. We all have much to be thankful for.

For most Minnesota farmers, the 1990 growing season provided adequate and timely rainfall. This was not the case for parts of the Red River Valley and north central Minnesota. In those areas, early season precipitation did not continue and the legacy of the 1988 drought continued. As 1990 ended, subsoil moisture in these areas was still very short.

Prices for hogs and cattle continued strong through 1990 as producers held back on expansion plans for a wide variety of reasons. Dairy prices were very good early in the year but dropped to support levels late in 1990 as production expanded in areas outside the Midwest. Crop prices were low throughout the year. There is plenty of room for improvement in 1991.

We hope this publication will help tell the story of the importance of agriculture to Minnesota. If your information needs are not met, please let us know. We need your ideas to help us improve this important service.

Carroll Rock

Carroll Rock
State Statistician

Minnesota Agricultural Statistics Service

SECTION 1

MINNESOTA'S AG RANKINGS, LAND VALUES, FARM NUMBERS, FARM INCOME, WEATHER SUMMARY

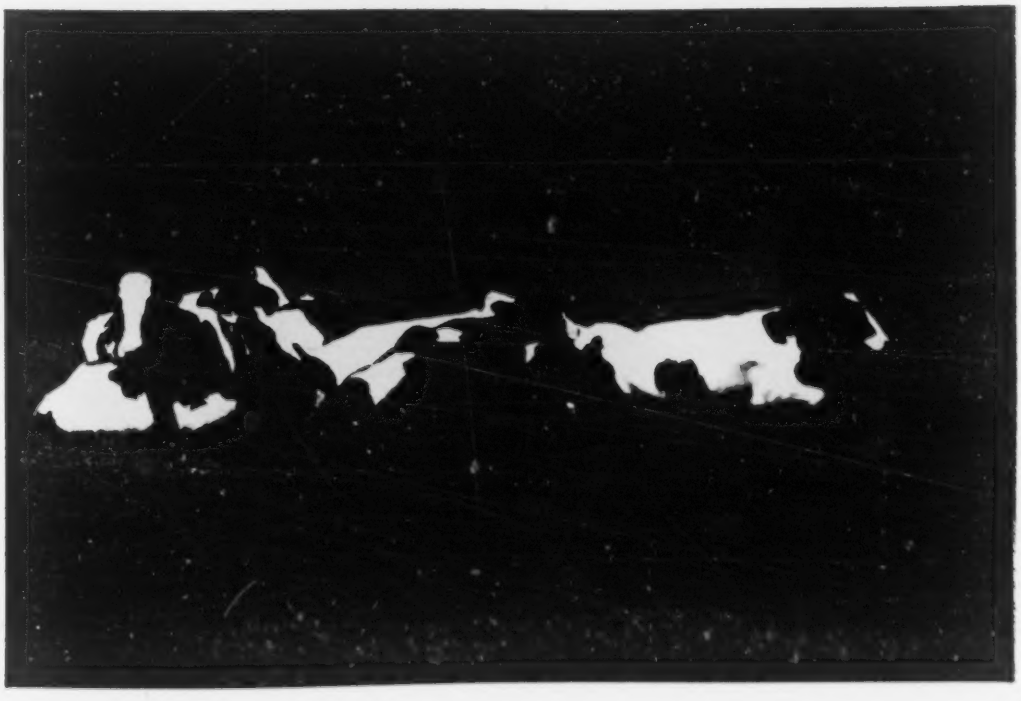


Photo by Janet Wieman

State Rankings

MINNESOTA'S RANK AMONG STATES

Item	1	2	3	4	5	6	7	8	9	10
NUMBER OF FARMS, JUNE 1, 1990 1/	TX	MO	IA	KY	TN	MN	CA	OH	IL	WI
CASH RECEIPTS, 1990										
Total	CA	TX	IA	NE	IL	MN	KS	WI	FL	IN
Crops	CA	IL	IA	FL	TX	MN	IN	NE	WA	OH
Livestock & Livestock Products	TX	IA	NE	CA	WI	KS	MN	CO	PA	OK
CROP PRODUCTION, 1990:										
Corn	IA	IL	NE	MN	IN	OH	WI	MI	SD	MO
Soybeans	IL	IA	MN	IN	OH	MO	AR	NE	SD	KS
All Wheat	KS	ND	OK	WA	MT	MN	TX	SD	ID	IL
Spring Wheat	ND	MN	SD	MT	ID	WA	OR	CO	UT	NV
Oats	SD	MN	WI	IA	ND	OH	PA	NE	MI	IL
Barley	ND	MT	ID	MN	SD	WA	CO	CA	WY	OR
All Sunflowers	ND	SD	MN	KS	TX	--	--	--	--	--
All Hay	WI	CA	TX	NE	IA	MO	MN	SD	KS	MI
All Potatoes	ID	WA	CO	WI	OR	ME	CA	ND	MN	MI
Sugarbeets	MN	ID	CA	MI	ND	NE	WY	MT	TX	CO
Flaxseed	ND	SD	MN	--	--	--	--	--	--	--
Rye	SD	GA	MN	ND	NE	SC	MI	PA	WI	NC
Sweet Corn For Processing	WI	MN	WA	OR	IL	ID	NY	MD	DE	PA
Green Peas For Processing	WI	MN	WA	OR	NY	DE	--	--	--	--
Dry Edible Beans	MI	ND	NE	CO	ID	CA	MN	WY	WA	NY
LIVESTOCK, DAIRY, POULTRY:										
Red Meat Production, 1990	IA	NE	KS	TX	IL	MN	CO	SD	CA	MI
Cattle & Calves, January 1, 1991 2/	TX	NE	KS	OK	CA	IA	MO	WI	SD	CO
Milk Cows, January 1, 1991	WI	CA	NY	MN	PA	TX	MI	OH	IA	WA
Cattle & Calves Marketed, 1990 3/	TX	NE	KS	CO	OK	IA	CA	SD	MO	WI
Cattle & Calves On Feed, Jan. 1, 1991	TX	NE	KS	IA	CO	CA	IL	MN	OK	SD
Hogs, December 1, 1990 4/	IA	IL	MN	IN	NE	MO	NC	OH	SD	KS
Pig Crop, 1990	IA	IL	MN	IN	NE	NC	MO	OH	SD	KS
Hogs Marketed, 1990	IA	IL	MN	IN	NE	NC	MO	OH	SD	KS
Stock Sheep & Lambs, Jan. 1, 1991 5/	TX	CA	WY	MT	SD	UT	CO	NM	IA	OR
Lamb Crop, 1990 6/	TX	WY	SD	CA	MT	IA	UT	CO	OR	NM
All Chickens, December 1, 1990 7/	CA	IN	GA	AR	PA	OH	NC	TX	AL	FL
Eggs Produced, Dec. 1989-Nov. 1990	CA	IN	PA	OH	GA	AR	TX	NC	FL	MN
Turkeys Raised, 1990	NC	MN	CA	AR	MO	VA	IN	IA	PA	SC
Milk Production, 1990	WI	CA	NY	MN	PA	TX	MI	OH	WA	IA
Dairy Products Manufactured, 1990:										
Total Cheese	WI	CA	MN	NY	IA	PA	MO	ID	SD	NE
American Cheese	WI	MN	CA	IA	ID	NY	MO	SD	ND	UT
Butter	WI	CA	MN	PA	OH	NY	KS	MI	OR	MO
Ice Cream	CA	PA	TX	NY	OH	MN	NC	IL	MA	IA
Nonfat Dry Milk For Human Food	CA	WI	MN	MO	NY	ND	--	--	--	--
Mink Pelts Produced, 1989	WI	UT	MN	ID	OR	WA	IL	MI	IA	PA
Honey Produced, 1990	FL	CA	SD	ND	MN	TX	WI	MI	MT	NE
AGRICULTURAL EXPORTS	CA	IA	IL	NE	TX	KS	MN	IN	WA	MO

1/ Minnesota and Tennessee tied for 5th. 2/ California and Iowa tied for 5th place; Minnesota ranked 11th.
3/ Minnesota ranked 14th. 4/ Indiana and Nebraska tied for 4th place; Missouri and North Carolina tied for 6th place.
5/ Minnesota ranked 13th. 6/ California and Montana tied for 4th place; Iowa and Utah tied for 6th; Minnesota ranked 12th. 7/ Minnesota ranked 11th.

County Rankings

MINNESOTA'S LEADING AGRICULTURAL COUNTIES

Item	1	2	3	4	5	6	7	8	9	10
1989 CASH FARM RECEIPTS:										
Total	Stearns	Polk	Martin	Nobles	Otter Tail	Renville	Faribault	Kandiyohi	Freeborn	Redwood
Crops	Polk	Faribault	Martin	Renville	Clay	Norman	Freeborn	Nobles	Jackson	Blue Earth
Livestock	Stearns	Otter Tail	Kandiyohi	Morrison	Fillmore	Nobles	Todd	Goodhue	Winona	Meeker
Government Payments	Stearns	Marshall	Polk	Otter Tail	Renville	Fillmore	Kandiyohi	Redwood	Freeborn	Yel. Med.
1990 CROP PRODUCTION:										
Corn For Grain	Martin	Renville	Faribault	Freeborn	Redwood	Mower	Blue Earth	Jackson	Nobles	Cottonw'd
Soybeans	Redwood	Renville	Martin	Jackson	Nobles	Cottonw'd	Yel. Med.	Blue Earth	Faribault	Lyon
All Wheat	Polk	Marshall	Kittson	Clay	Norman	Roseau	Wilkin	Traverse	Pen'ngton	Grant
Oats	Stearns	Otter Tail	Douglas	Todd	Roseau	Pope	Morrison	Fillmore	Pen'ngton	Kandiyohi
Barley	Polk	Norman	Clay	Mahnomen	Marshall	Roseau	Pen'ngton	Becker	Wilkin	Kittson
Sugarbeets	Polk	Clay	Norman	Renville	Chippewa	Wilkin	Marshall	Kittson	Grant	Kandiyohi
Sunflowers	Polk	Pen'ngton	Roseau	Wilkin	Kittson	Red Lake	Marshall	Norman	Traverse	Clay
Rye	Roseau	Sherburne	Stearns	Morrison	Benton	Isanti	Anoka	Marshall	Chisago	Otter Tail
Flax	Roseau	Marshall	Kittson							
Dry Edible Beans	Polk	Otter Tail	Renville	Hubbard	Marshall	Stevens	Swift	Benton	Todd	Yel. Med.
All Hay	Otter Tail	Stearns	Fillmore	Goodhue	Winona	Morrison	Wabasha	Houston	Pine	Todd
Potatoes	Polk	Sherburne	Marshall	Freeborn	Clay	Kittson	Norman			
Sweet Corn	Dodge	Renville	Goodhue	Faribault	Sibley	Mower	Dakota	Redwood	Martin	McLeod
Green Peas	Renville	Mower	Faribault	Goodhue	Redwood	Sibley	Dodge	Nicollet	Brown	Olmsted
LIVESTOCK, DAIRY, AND POULTRY:										
Cattle & Calves, Jan. 1, 1991	Stearns	Otter Tail	Fillmore	Winona	Goodhue	Houston	Todd	Morrison	Olmsted	Wabasha
Beef Cows, Jan. 1, 1991	Fillmore	Houston	Olmsted	Otter Tail	Beltrami	Wabasha	Polk	Clearwater	Pine	Cass
Milk Cows, Jan. 1, 1991	Stearns	Otter Tail	Todd	Morrison	Goodhue	Winona	Wright	Wabasha	Fillmore	Carver
Milk Prod., 1990	Stearns	Otter Tail	Morrison	Todd	Goodhue	Winona	Wright	Wabasha	Fillmore	Carver
Stock Sheep & Lambs Jan. 1, 1991	Otter Tail	Murray	Pipestone	Lyon	Nobles	Fillmore	Goodhue	Roseau	Lincoln	Renville
Hogs, Dec. 1, 1990 1/	Martin	Freeborn	Jackson	Blue Earth	Nobles	Faribault	Mower	Redwood	Renville	Stearns
Pig Crop, 1990	Martin	Freeborn	Stearns	Jackson	Nobles	Blue Earth	Fillmore	Faribault	Redwood	Mower
Hens & Pullets, 1990	Sibley	Nicollet	Meeker	Morrison	Stearns	Clearwater	Pine	Clay	Freeborn	Benton
Cattle & Calves On Feed, Jan. 1, 1991	Nobles	Rock	Stevens	Cottonw'd	Stearns	Dakota	Redwood	Murray	Blue Earth	Jackson

1/ Renville and Stearns tied for 9th place.

Farm Numbers

The number of farms in Minnesota decreased to 89,000 during the period of June 1, 1989 to June 1, 1990.

Between Minnesota and the surrounding states, there was only one gainer in farms as North Dakota increased by 500. Illinois and Indiana decreased the most with 3,000 farms lost. Minnesota, Iowa, Wisconsin, and Michigan dropped 1,000 farms. Farm numbers in South Dakota and Nebraska held steady.

The number of farms in the United States in 1990 was estimated at 2.14 million, down 1% from 2.17 million in 1989.

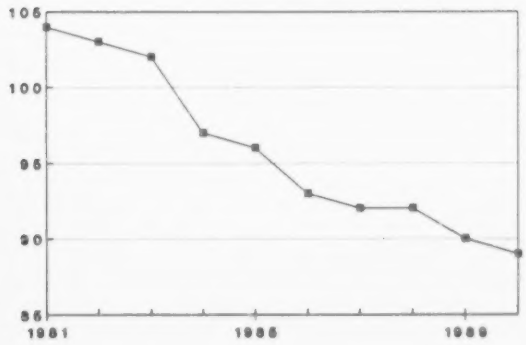
Total land in U.S. farms for 1990 is 988 million acres, down from the 991 million in 1989. Land in farms has declined every year since reaching its peak at 1,206 million acres in 1954.

MINNESOTA FARM NUMBERS, FARMLAND, AND AVERAGE FARM SIZE

Year	Number Of Farms	Land In Farms	Average Size Of Farms
	Number	000 Acres	Acres
1981	104,000	30,400	292
1982	103,000	30,400	295
1983	102,000	30,400	298
1984	97,000	30,400	313
1985	96,000	30,400	317
1986	93,000	30,000	323
1987	92,000	30,000	326
1988	92,000	30,000	326
1989	90,000	30,000	333
1990	89,000	30,000	337

Farms are defined as places which had annual sales of agricultural products of $1,000 or more.

MINNESOTA FARM NUMBERS
(Thousands)



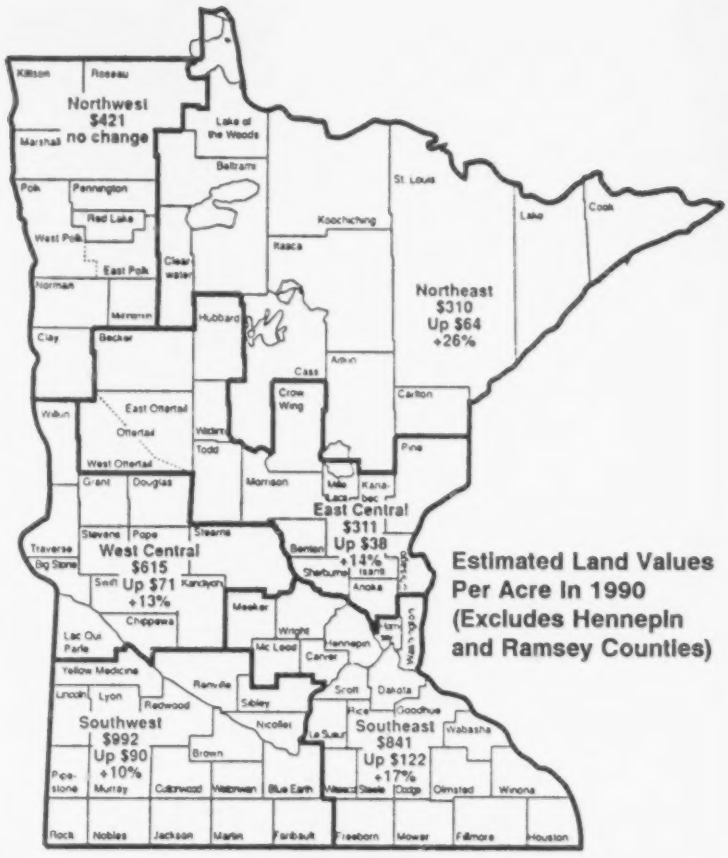
1990 NUMBER OF FARMS AND CHANGE FROM 1989

Land Values

According to the University of Minnesota, an acre of Minnesota farmland had an estimated value of $651 per acre in 1990. That's a 12% increase over a year earlier.

The greatest increase among the ag areas of Minnesota was reported in the southeast district, up 17%. The east central posted a 14% gain, the west central was up 13%, and the southwest up 10%. Land values in northwestern Minnesota held steady at 1989's level.

In 1990, almost half of land sales were the result of death or retirement. Whereas 60% of sales in 1987 were trigged by financial difficulty, only 15% of Minnesota's farmland was sold for this reason in 1990. Once again, "expansion buyers" dominated the market for sales, accounting for 80% of all farmland purchased.



*ESTIMATED AVERAGE VALUE PER ACRE OF MINNESOTA FARMLAND BY DISTRICT**

Year	South-east	South-west	West Central	East Central	North-west	North-east	Minnesota
1975	674	844	503	296	295	163	525
1976	856	1,106	624	349	378	210	667
1977	1,027	1,316	730	415	427	279	794
1978	1,191	1,421	803	498	483	304	889
1979	1,453	1,620	883	573	599	368	1,040
1980	1,526	1,750	962	596	683	390	1,120
1981	1,709	2,083	1,135	679	813	460	1,310
1982	1,504	1,875	1,044	584	748	483	1,179
1983	1,354	1,669	981	561	658	411	1,065
1984	1,164	1,401	873	505	586	436	927
1985	861	967	690	374	510	362	686
1986	603	696	511	296	418	308	515
1987	558	671	472	259	375	293	480
1988	648	784	499	268	390	251	523
1989	719	902	544	273	421	246	581
1990	841	992	615	311	421	310	651
% Change 1989-90	+17	+10	+13	+14	0	+26	+12

*Source: ***Minnesota Agricultural Economist,*** March 1991, University of Minnesota, ***The Minnesota Rural Real Estate Market in 1990,*** by Kelly Wesemann and Philip M. Raup.

Farm Income

Minnesota cash receipts posted an 8% gain from 1988-89. Once again, farmers relied less on the government to shore up farm income as government payments fell a sharp 42% from 1988-89. Production expenses gained 9% while total gross income posted a 14% gain.

Net farm income posted a healthy 31% gain from 1988 to 1989. Figuring prominently in the gain was the net change in farm inventory as farmers rebuilt grain stocks after the drought of 1988.

The typical Minnesota farm generated $72,505 in cash receipts. Government payments came to $6,665 per farm in 1989 (versus $11,259 in 1988). The farm had $66,766 in production expenses, leaving a total net farm income of $22,183 per farm. Off-farm income averaged $19,070 per farm.

Photo by Janet Wieman

TOTAL INCOME OF MINNESOTA FARMS

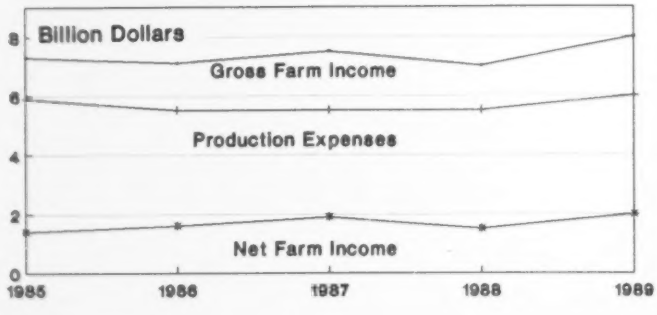
Year	Cash Receipts From Farm Marketings	Government Payments	Non-Money Income 1/	Other Farm Income 2/	Net Change In Farm Inventories 3/	Total Gross Farm Income	Total Farm Production Expenses	Total Net Farm Income
				Million Dollars				
1985	6,605.2	480.1	343.5	181.9	-272.3	7,338.3	5,903.3	1,435.0
1986	6,066.7	802.4	297.9	155.2	-195.8	7,126.4	5,545.5	1,580.9
1987	5,986.0	1,193.8	318.7	210.9	-235.2	7,474.2	5,537.8	1,936.4
1988	6,066.7	1,035.9	323.9	208.3	-602.4	7,032.4	5,510.2	1,522.2
1989	6,525.5	599.9	307.2	260.9	312.0	8,005.5	6,008.9	1,996.5
1990 4/	7,256.0	---	---	---	---	---	---	---

1/ Includes value of home consumption and housing.
2/ Includes income from custom work, machine hire, and recreation.
3/ Estimated physical change in crops and livestock owned by farmers, valued at average prices prevailing during the year.
4/ Detailed data not available at time of publication.
Note: Figures may not add due to rounding.

AVERAGE INCOME PER MINNESOTA FARM 1/

Year	Number Of Farms	Total Gross Farm Income	Farm Production Expenses	Total Net Farm Income
	000		Dollars	
1985	96	76,441	61,493	14,948
1986	93	76,628	59,629	16,999
1987	92	81,241	60,193	21.048
1988	92	76,439	59,893	16,546
1989	90	88,950	66,766	22,183

1/ Farms having annual sales of ag products of $1,000 or more.



MINNESOTA CASH RECEIPTS RECEIVED BY FARMERS, BY COUNTY

District And County	1988 Crops	1988 Livestock 1/	1988 Government Payments	1988 Total	1989 Crops	1989 Livestock 1/	1989 Government Payments	1989 Total
	Thousand Dollars				Thousand Dollars			
Becker	26,473	55,409	6,419	88,301	27,492	61,745	5,493	94,730
Clay	90,965	26,690	16,760	134,415	100,321	28,399	10,990	139,710
Clearwater	4,722	18,859	1,130	24,711	4,898	20,595	1,265	26,758
Kittson	27,070	6,838	21,075	54,983	29,883	6,285	10,682	46,850
Mahnomen	20,842	8,968	3,954	33,764	21,548	9,697	1,554	32,799
Marshall	65,559	11,443	31,055	108,057	71,001	11,439	17,907	100,347
Norman	79,223	12,962	14,613	106,798	84,640	13,565	8,050	106,255
Pennington	16,994	7,685	8,936	33,615	17,890	8,052	6,032	31,974
Polk	174,295	27,315	30,286	231,896	192,674	29,699	17,220	239,593
Red Lake	15,776	9,555	7,407	32,738	16,663	10,472	4,522	31,657
Roseau	28,497	21,918	15,413	65,828	29,375	23,664	10,941	63,980
Northwest	550,416	207,642	157,048	915,106	596,385	223,612	94,656	914,653
Beltrami	4,798	12,236	1,631	18,665	5,031	13,497	2,219	20,747
Cass	1,243	15,138	1,821	18,202	1,261	16,781	2,846	20,888
Hubbard	10,133	9,231	1,181	20,545	10,820	11,246	1,308	23,374
Itasca	1,044	5,468	167	6,679	1,093	6,157	531	7,781
Koochiching	1,079	3,566	434	5,079	1,114	3,445	459	5,018
Lake of 'Woods	6,636	2,381	1,457	10,474	6,985	2,963	924	10,872
North Central	24,933	48,020	6,691	79,644	26,304	54,089	8,287	88,680
Northeast	2,819	10,212	413	13,444	2,946	11,469	870	15,285
Big Stone	17,083	15,038	11,442	43,563	17,769	16,914	5,634	40,317
Chippewa	45,893	19,373	15,103	80,369	50,049	18,611	7,748	76,408
Douglas	6,579	41,569	6,859	55,007	6,834	43,976	6,374	57,184
Grant	31,614	17,183	10,597	59,394	33,503	18,810	5,786	58,099
Lac Qui Parle	31,882	34,394	21,668	87,944	33,096	33,829	10,351	77,276
Otter Tail	25,487	127,548	17,727	170,762	26,557	140,304	15,483	182,344
Pope	20,374	38,787	13,991	73,152	21,998	40,323	7,274	69,595
Stevens	25,627	40,294	16,877	82,798	26,499	41,699	7,696	75,894
Swift	47,150	30,173	19,076	96,399	49,258	31,996	9,073	90,327
Traverse	31,940	12,678	10,644	55,262	33,306	13,750	5,806	52,862
Wilkin	66,626	7,078	11,080	84,784	71,975	7,591	5,622	85,188
Yellow Medicine	38,285	33,927	24,244	96,456	39,766	35,902	11,026	86,694
West Central	388,540	418,042	179,308	985,890	410,610	443,705	97,873	952,188
Benton	4,637	62,776	6,759	74,172	4,944	69,954	5,214	80,112
Carver	6,596	55,054	7,044	68,694	7,036	59,554	6,009	72,599
Kandiyohi	34,290	100,778	20,366	155,434	36,156	114,864	12,331	163,351
McLeod	27,532	48,287	9,330	85,149	29,418	52,782	6,624	88,824
Meeker	23,771	72,979	17,612	114,362	25,138	80,396	9,420	114,954
Morrison	5,815	97,245	8,793	111,853	6,214	107,915	10,729	124,858
Renville	93,469	56,720	26,522	176,711	101,321	59,815	14,674	175,810
Scott	9,043	29,077	4,965	43,085	9,503	31,067	3,827	44,397
Sherburne	18,586	24,297	4,390	47,273	21,707	27,759	3,544	53,010
Sibley	39,710	67,698	14,604	122,012	41,818	73,054	9,582	124,454
Stearns	12,501	210,922	20,512	243,935	12,922	232,120	28,609	273,651
Todd	11,353	87,868	10,006	109,227	12,727	97,151	6,541	116,419
Wadena	2,284	27,918	2,475	32,677	2,405	30,917	2,935	36,257
Wright	12,988	62,446	9,916	85,350	13,691	69,421	8,010	91,122
Central	302,575	1,004,065	163,294	1,469,934	325,000	1,106,769	128,049	1,559,818

MINNESOTA CASH RECEIPTS RECEIVED BY FARMERS, BY COUNTY (CONT'D)

District And County	1988 Crops	1988 Livestock 1/	1988 Government Payments	1988 Total	1989 Crops	1989 Livestock 1/	1989 Government Payments	1989 Total
		Thousand Dollars				Thousand Dollars		
Aitkin	2,575	13,588	595	16,758	2,666	15,340	1,263	19,269
Anoka	9,399	8,712	1,753	19,864	11,609	9,357	1,763	22,729
Carlton	1,384	10,503	489	12,376	1,557	11,651	1,056	14,264
Chisago	6,523	21,244	3,755	31,522	6,959	23,488	2,826	33,273
Crow Wing	1,517	13,155	1,186	15,858	1,601	14,881	1,420	17,902
Hennepin	16,704	19,553	3,070	39,327	18,435	20,580	2,490	41,505
Isanti	8,403	16,556	4,294	29,253	8,917	18,407	2,619	29,943
Kanabec	1,672	21,539	2,169	25,380	1,728	23,597	1,967	27,292
Mille Lacs	1,983	28,329	2,754	33,066	2,062	30,637	2,415	35,114
Pine	2,824	33,890	2,842	39,556	2,977	35,910	3,961	42,848
Ramsey	4,130	849	6	4,985	4,492	905	14	5,411
Washington	15,732	11,174	3,988	30,894	17,326	12,525	2,952	32,803
East Central	72,846	199,092	26,901	298,839	80,329	217,278	24,746	322,353
Cottonwood	59,538	69,219	19,122	147,879	61,638	68,542	9,441	139,621
Jackson	75,512	65,346	20,953	161,811	78,098	73,105	9,375	160,578
Lincoln	15,930	38,818	12,956	67,704	16,464	40,566	8,289	65,319
Lyon	37,068	66,471	21,627	125,166	38,315	73,162	10,298	121,775
Murray	53,919	51,357	18,442	123,718	55,766	54,977	8,324	119,067
Nobles	77,478	86,957	19,534	183,969	80,110	97,506	8,489	186,105
Pipestone	19,892	40,179	9,877	69,948	20,552	42,713	6,160	69,425
Redwood	67,293	72,803	28,914	169,010	70,355	79,709	11,666	161,730
Rock	39,189	73,239	13,363	125,791	40,504	75,899	5,559	121,962
Southwest	445.819	564,389	164,788	1,174,996	461,802	606,179	77,601	1,145,582
Blue Earth	70,419	58,459	23,412	152,290	73,297	63,760	8,935	145,992
Brown	40,838	75,663	16,708	133,209	42,916	75,382	10,184	128,482
Faribault	98,592	51,502	23,800	173,894	103,216	54,630	9,266	167,112
Freeborn	79,461	59,626	26,576	165,663	84,272	66,232	11,507	162,011
LeSueur	27,804	41,255	12,899	81,958	29,197	44,442	7,422	81,061
Martin	98,724	73,881	26,291	198,896	102,606	78,254	10,094	190,954
Nicollet	31,938	53,044	14,328	99,310	33,626	56,495	8,699	98,820
Rice	19,444	58,679	12,446	90,569	20,231	66,428	7,314	93,973
Steele	34,758	39,566	14,652	88,976	36,477	43,130	7,491	87,098
Waseca	47,926	33,337	17,278	98,541	50,030	35,773	6,831	92,634
Watonwan	50,916	31,044	14,782	96,742	52,944	33,617	6,206	92,767
South Central	600,820	576,056	203,172	1,380,048	628,812	618,143	93,949	1,340,904
Dakota	31,118	42,246	13,132	86,496	33,636	46,460	7,281	87,377
Dodge	45,713	35,989	14,801	96,503	49,014	38,834	6,465	94,313
Fillmore	22,994	97,772	23,353	144,119	24,005	103,933	13,317	141,255
Goodhue	34,581	86,022	16,128	136,731	36,886	93,044	9,476	139,406
Houston	7,263	63,524	7,998	78,785	7,737	67,005	6,280	81,022
Mower	66,155	60,844	23,404	150,403	69,670	62,887	10,170	142,727
Olmsted	19,936	73,123	17,266	110,325	21,148	79,557	8,970	109,675
Wabasha	17,621	58,101	8,763	84,485	19,227	62,826	6,251	88,304
Winona	10,463	81,529	9,479	101,471	11,135	88,692	5,611	105,438
Southeast	255,844	599,150	134,324	989,318	272,458	643,238	73,821	989,517
Minnesota	2,644,612	3,626,668	1,035,939	7,307,219	2,804,646	3,924,482	599,852	7,328,980

1/ Includes estimates of inter-farm and intra-state sales of livestock, resulting in larger total cash receipts than shown in USDA estimates on following page.

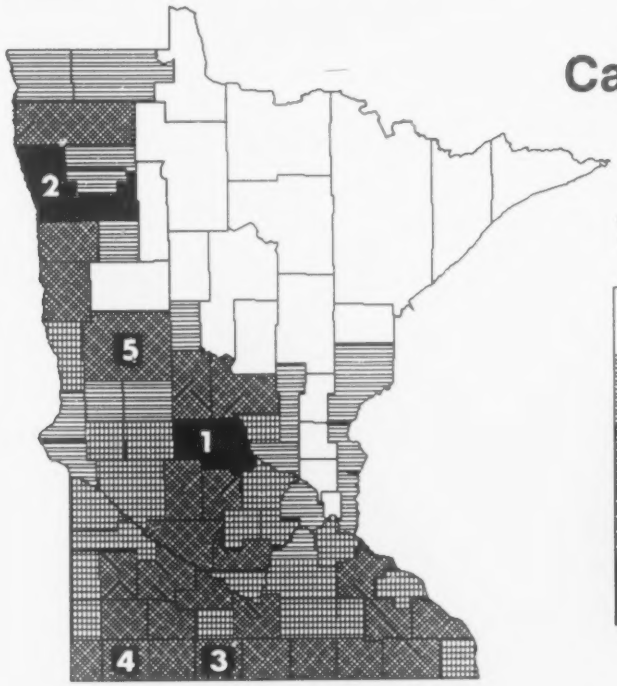
SOURCE: BUREAU OF ECONOMIC ANALYSIS, U.S. DEPARTMENT OF COMMERCE, WASHINGTON, D.C.

MINNESOTA CASH RECEIPTS FROM FARM MARKETINGS 1/

Commodity	- 1987 - Dollars	- 1987 - Percent Of Total	- 1988 - Dollars	- 1988 - Percent Of Total	- 1989 - Dollars	- 1989 - Percent Of Total
CROPS: 2/	000	Percent	000	Percent	000	Percent
FEED CROPS						
Corn	677,770	11.3	617,536	10.2	801,088	12.3
Oats	29,682	0.5	34,477	0.6	29,075	0.4
Barley	63,954	1.1	87,929	1.4	91,136	1.4
Hay	78,000	1.3	84,066	1.4	87,629	1.3
FOOD GRAINS						
Wheat	256,328	4.3	175,635	2.9	298,063	4.6
Rye	1,983	*	1,228	*	1,597	*
OIL CROPS						
Soybeans	798,343	13.3	1,219,360	20.1	975,302	14.9
Flaxseed	783	*	965	*	643	*
Sunflowers	14,908	0.2	9,636	0.2	9,981	0.2
VEGETABLE CROPS						
Potatoes	62,020	1.0	65,342	1.1	87,953	1.3
Sweet Corn (Process)	40,914	0.7	30,246	0.5	40,029	0.6
Green Peas (Process)	22,369	0.4	13,818	0.2	28,375	0.4
Sugarbeets	243,040	4.1	208,218	3.4	239,518	3.7
Dry Beans	21,265	0.4	8,330	0.1	21,743	0.3
Apples	5,297	*	3,797	*	7,582	0.1
Greenhouse/Nursery Floriculture	50,193	0.8	53,420	0.9	56,197	0.9
Other Crops, Fruits, Vegetables 3/	46,470	0.8	35,043	0.6	33,660	0.5
TOTAL CROPS	2,413,319	40.3	2,649,046	43.7	2,809,571	43.0
LIVESTOCK PRODUCTS:						
MEAT ANIMALS						
Cattle & Calves	1,091,459	18.2	1,001,741	16.5	1,063,136	16.3
Hogs	839,170	14.0	749,700	12.4	810,352	12.4
Sheep & Lambs	13,441	0.2	12,656	0.2	17,554	0.3
DAIRY PRODUCTS	1,216,243	20.3	1,194,425	19.7	1,308,301	20.0
POULTRY & EGGS						
Turkeys	228,096	3.8	267,729	4.4	290,235	4.4
Broilers	37,913	0.6	49,782	0.8	66,010	1.0
Farm Chickens	3,049	*	2,083	*	2,982	*
Eggs	81,091	1.4	71,250	1.2	96,893	1.5
Honey	7,452	0.1	8,321	0.1	6,132	0.1
Miscellaneous Other Livestock & Product 4/	54,809	0.9	59,968	1.0	58,437	0.9
TOTAL LIVESTOCK	3,572,723	59.7	3,417,655	56.3	3,720,032	57.0
TOTAL ALL CROPS AND LIVESTOCK	5,986,042	100.0	6,066,701	100.0	6,529,603	100.0

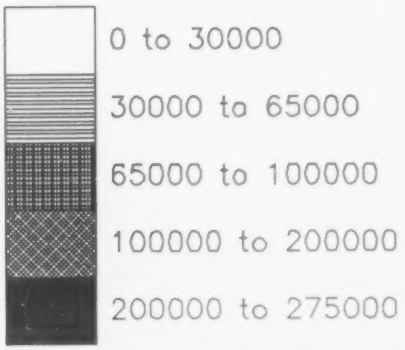
1/ 1987 and 1988 are revised; 1989 is preliminary. 2/ Includes Commodity Credit loans (calculated by crop open market sales plus net CCC loans). 3/ Kentucky bluegrass, red clover, timothy, and other seeds; asparagus, green lima beans, snap beans, cabbage, onions, carrots, cucumbers, miscellaneous vegetables, mushrooms, other fruits, and field crops. 4/ Wool, mink, goats, horses, mules, ducks, geese, beeswax, turkey eggs, and other livestock and poultry. * Less than 0.1% NOTE: Percents may not add to totals because of rounding.

Geographic Distribution



Cash Farm Receipts

Thousands of Dollars, 1989

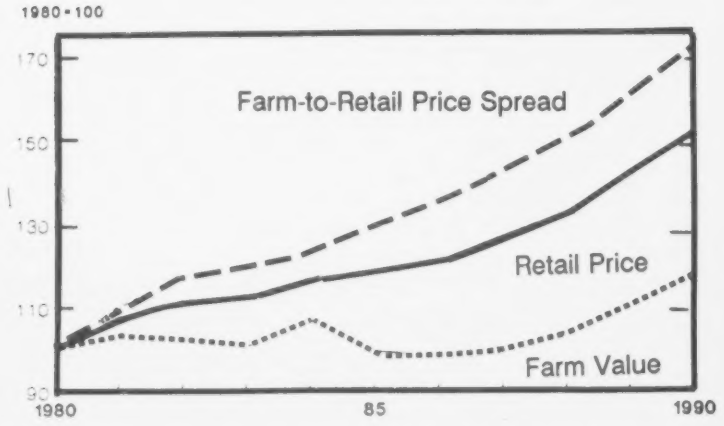


MINNESOTA'S FARM BALANCE SHEET (EXCLUDING FARM HOUSEHOLDS) 1/

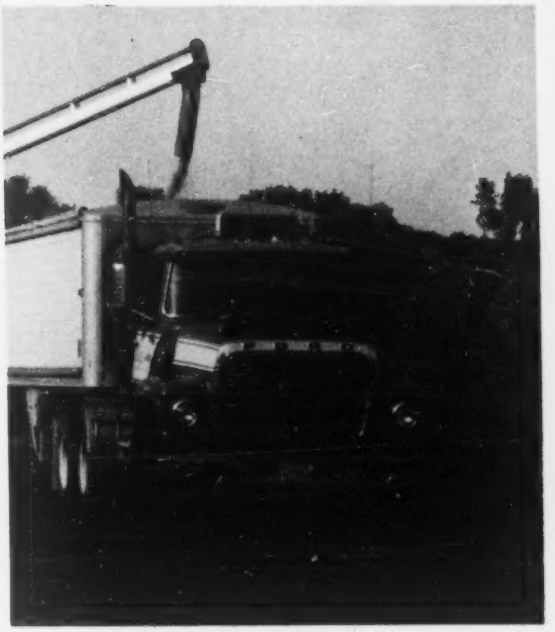
Item	1986	1987	1988	1989	1990 2/
			--Million Dollars--		
Total Farm Assets:	26,903.5	23,112.6	26,270.1	28,561.6	31,236.0
Real Estate 3/	16,432.8	13,377.1	16,368.4	17,742.0	20,198.0
Livestock And Poultry 4/	1,762.7	1,869.1	2,085.5	2,231.8	2,310.2
Machinery And Motor Vehicles 5/	4,921.0	4,684.1	4,500.9	4,597.5	4,736.5
Crops 6/	1,820.3	1,196.6	1,337.1	1,916.8	1,812.3
Purchased Inputs	65.3	104.8	108.5	161.9	204.7
Investments In Cooperatives	1,610.2	1,559.8	1,552.9	1,577.2	1,641.5
Other Financial Assets	291.3	321.2	316.6	334.6	332.9
Total Farm Debt:	8,975.7	7,513.3	6,799.8	6,552.0	6,467.6
Real Estate 7/	4,828.4	4,269.9	3,854.5	3,607.8	3,458.9
Nonreal Estate 8/	4,147.3	3,243.4	2,945.3	2,944.2	3,008.7
Equity	17,927.8	15,599.2	19,470.3	22,009.6	24,768.4
			--Ratio--		
Equity/Assets	66.6	67.5	74.1	77.1	79.3
Debt/Equity	50.1	48.2	34.9	29.8	26.1
Debt/Assets, Total	33.4	32.5	25.9	22.9	20.7

1/ December 31 previous year. 2/ Preliminary. 3/ Excludes value of operator dwelling. 4/ Excludes broilers and turkeys. 5/ Includes only farm share value for trucks and autos. 6/ All non-CCC crops held on farms plus the value above loan rate for crops held under CCC. 7/ Excludes debt on operator dwellings but includes CCC storage and drying facility loans. 8/ Excludes debt for nonfarm purposes.

RETAIL PRICES, FARM VALUE, AND PRICE SPREAD FOR FOOD

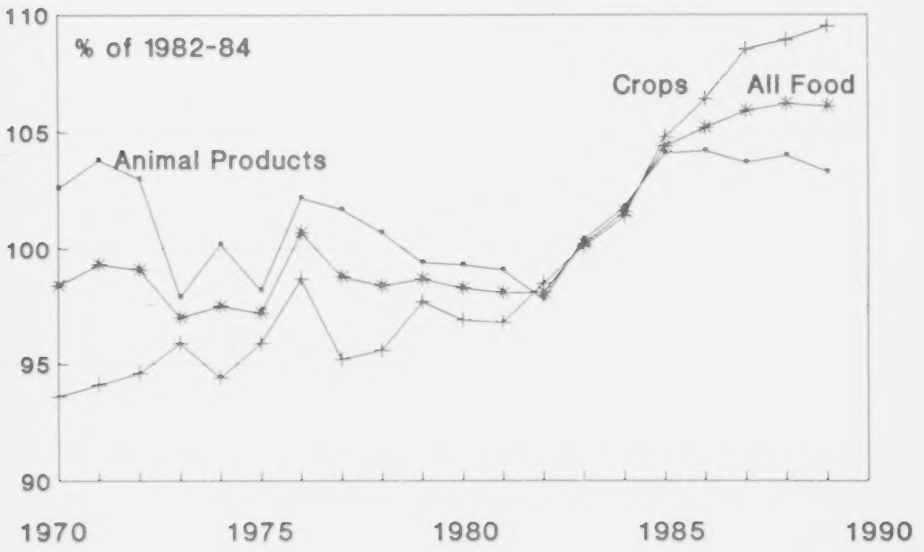


Retail prices based on the Consumer Price Index for food eaten at home. Farm value based on prices received by farmers. Price spread represents processing and distributing charges.



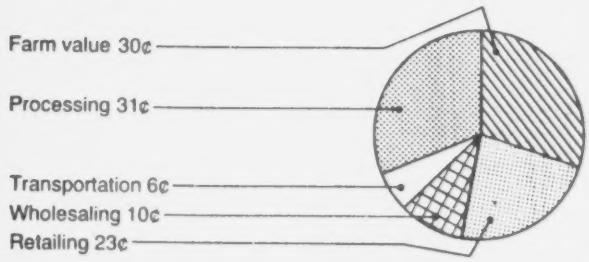
Photos by Janet Wieman

U.S. PER CAPITA CONSUMPTION OF FOOD

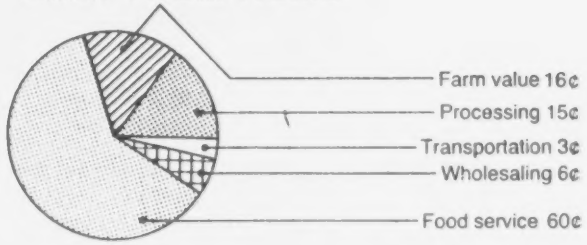


WHERE THE FOOD DOLLAR GOES AT HOME AND AWAY, 1990

AT HOME:

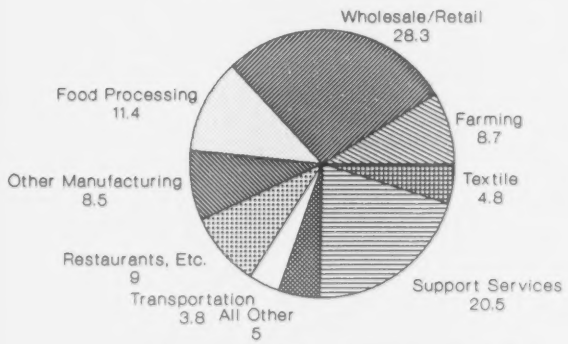


AWAY FROM HOME



*The Food & Fiber System Contributes 16% to the Gross National Product**

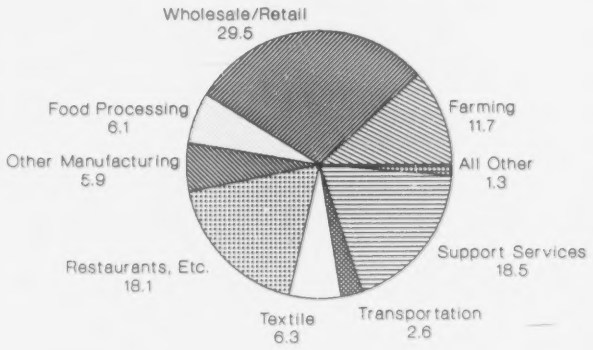
(Percent of Food & Fiber System)



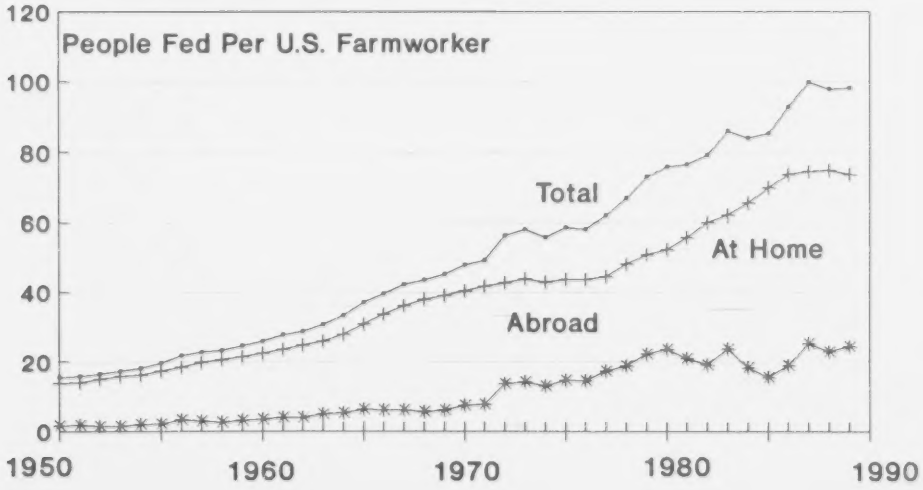
***Formerly shown as output by sectors of the food and fiber system, this chart was changed at the request of data users.**

People Employed in the Food & Fiber System

(Percent of Food & Fiber System)



HOW MANY PEOPLE DOES ONE FARMWORKER FEED?



Exports

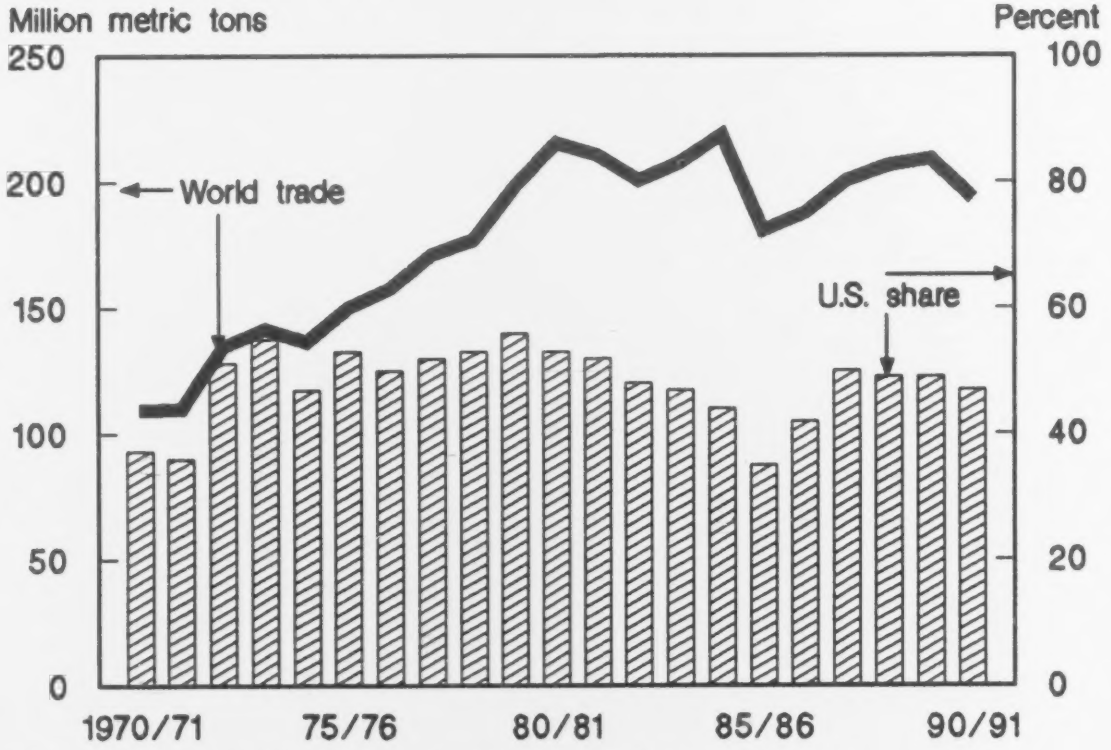
Minnesota held onto its #7 slot in farm exports as '90 fiscal export records show. Value of the state's exports came to $1.98 billion versus $1.77 billion in 1989. Exports accounted for almost one-third of the $6.53 billion in cash receipts that farmers reported last year.

Shown at the right is the value of farm exports by commodity group. These figures are not actual exports but are derived from Minnesota's contribution to U.S. production and/or sales. They reflect Minnesota's important stake in the national export market.

1990 MINNESOTA AG EXPORTS WORTH $1.98 BILLION

	(Million Dollars)
Feed Grains & Products	$828.7
Soybeans & Products	$507.0
Wheat & Products	$153.8
Live Animals & Meat (Excludes Poultry)	$93.0
Feeds & Fodder	$80.7
Hides & Skins	$55.7
Dairy Products	$39.8
Vegetables	$73.3
Fats, Oils, Greases	$14.6
Poultry & Products	$13.6
Seeds	$15.0
Sunflower Seed & Oil	$7.5
Other	$95.7
TOTAL	*$1,978.4*

TOTAL WORLD GRAIN EXPORTS AND U.S. SHARE



1990/91 forecast. Includes wheat flour, excludes intra-EC trade.

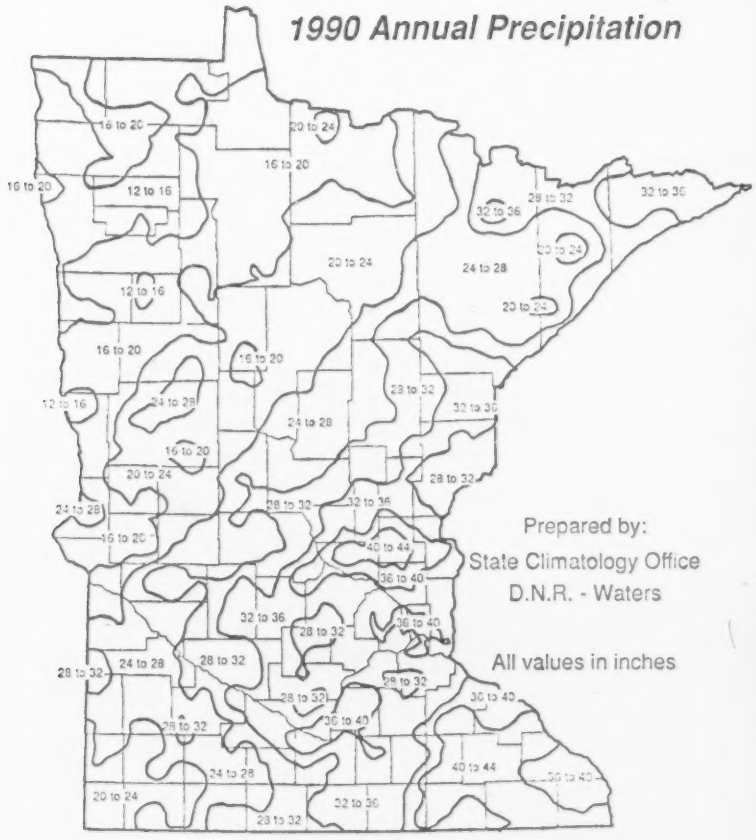
Climatic Summary

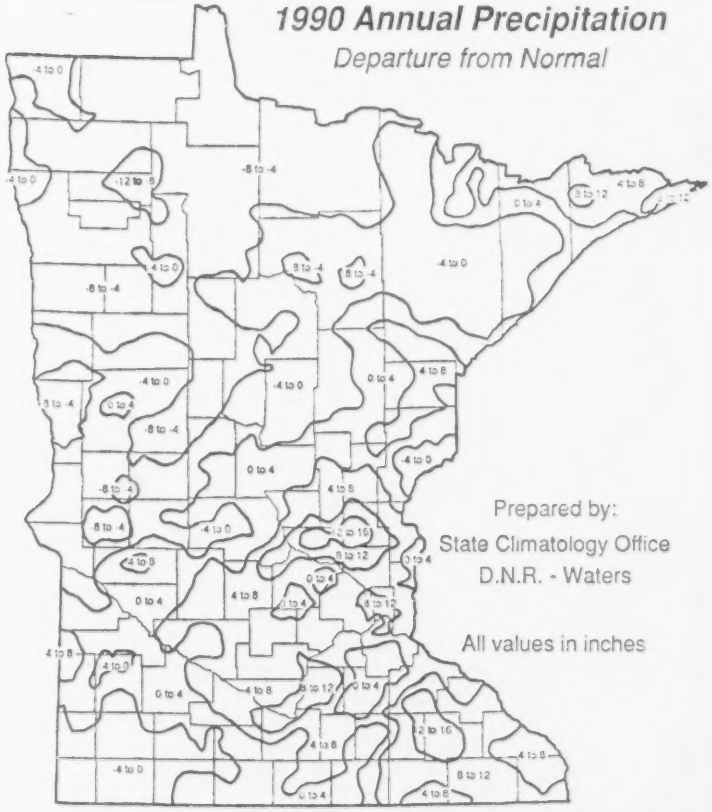
In sharp contrast to the previous three years, annual precipitation for 1990 finished above normal over large areas of Minnesota. Bolstered by an exceptionally wet spring and early summer, much of the southeastern one-half of the state received welcome relief from the harsh three-year drought.

Many communities waded through puddles resulting from eight- to ten-inch rainfall totals for the month of June. For the first time in years, excessive wetness was a hinderance to agricultural operations.

In striking contradiction, a state of extreme drought persists in northwestern Minnesota. For many sections of the Red River Valley, no sustained relief has materialized for four years. Adequate June showers were enough to carry agronomic crops through the season. However, soil moisture reserves entering the 1991 growing season are woefully short, especially in those fields were row crops were grown in 1990.

Division of Waters, DNR
State Climatology Office





AVERAGE FROST DATES IN MINNESOTA 1/

District And Station	County	Average Date Of Last Temperature Occurrence In Spring Of:			Average Date Of First Temperature Occurrence In Fall Of:			Number Of Days Between Average Last Spring And First Fall Occurence Of:		
		24 F	28 F	32 F	32 F	28 F	24 F	32 F	28 F	24 F
Northwest District (1):										
Ada	Norman	Apr 29	May 9	May 23	Sep 20	Sep 30	Oct 8	120	144	162
Argyle	Marshall	May 3	May 12	May 24	Sep 17	Sep 29	Oct 7	116	140	157
Crookston	Polk	Apr 29	May 9	May 22	Sep 21	Oct 1	Oct 11	122	145	165
Detroit Lakes	Becker	Apr 28	May 8	May 20	Sep 22	Oct 3	Oct 14	125	148	169
Fosston	Polk	May 1	May 10	May 24	Sep 16	Sep 30	Oct 9	115	143	161
Hallock	Kittson	May 10	May 16	May 28	Sep 15	Sep 26	Oct 2	110	133	145
Moorhead	Clay	Apr 22	May 3	May 12	Sep 28	Oct 8	Oct 16	139	158	177
Red Lake Falls	Red Lake	May 3	May 14	May 23	Sep 16	Sep 27	Oct 7	116	136	157
Roseau	Roseau	May 6	May 16	May 26	Sep 13	Sep 23	Oct 6	110	130	153
Warroad	Roseau	May 3	May 12	May 24	Sep 19	Sep 30	Oct 9	118	141	159
North Central District (2):										
Baudette	Lake of Woods	May 1	May 13	May 26	Sep 15	Sep 28	Oct 6	112	138	158
Bemidji	Beltrami	May 1	May 17	May 29	Sep 13	Sep 28	Oct 3	107	134	155
Big Falls	Koochiching	May 4	May 17	Jun 4	Sep 7	Sep 18	Oct 4	95	124	153
Grand Rapids	Itasca	May 6	May 17	May 30	Sep 9	Sep 23	Oct 3	102	129	150
Park Rapids	Hubbard	May 1	May 11	May 21	Sep 20	Oct 3	Oct 9	122	145	161
Northeast District (3):										
Babbitt	St. Louis	May 1	May 12	May 20	Sep 24	Oct 8	Oct 16	127	149	168
Duluth (Airport)	St. Louis	May 3	May 8	May 22	Sep 24	Oct 6	Oct 17	125	151	167
Grand Marais	Cook	Apr 25	May 11	May 23	Sep 29	Oct 13	Oct 25	129	155	183
Meadowlands	St. Louis	May 11	May 20	Jun 4	Aug 31	Sep 16	Oct 2	68	119	144
Two Harbors	Lake	Apr 21	May 3	May 15	Oct 5	Oct 17	Oct 31	143	167	193
Virginia	St. Louis	May 4	May 13	May 26	Sep 18	Sep 29	Oct 9	115	139	158
West Central District (4):										
Alexandria	Douglas	Apr 19	May 1	May 12	Sep 30	Oct 8	Oct 25	141	160	189
Beardsley	Big Stone	Apr 25	May 6	May 17	Sep 23	Oct 2	Oct 12	129	149	167
Campbell	Wilkin	Apr 28	May 5	May 18	Sep 22	Sep 30	Oct 7	127	148	162
Canby	Yellow Med.	Apr 18	Apr 29	May 10	Oct 2	Oct 10	Oct 22	145	164	187
Fergus Falls	Otter Tail	Apr 23	May 2	May 13	Sep 25	Oct 6	Oct 18	135	157	178
Montevideo	Lac Qui Parle	Apr 16	Apr 28	May 7	Oct 1	Oct 13	Oct 24	147	168	191
Morris	Stevens	Apr 23	May 6	May 15	Sep 25	Oct 2	Oct 14	133	149	174
Wheaton	Traverse	Apr 24	May 4	May 10	Sep 25	Oct 3	Oct 15	138	152	172
Central District (5):										
Bird Island	Renville	Apr 14	Apr 27	May 9	Sep 30	Oct 10	Oct 22	144	166	191
Little Falls	Morrison	Apr 22	Apr 30	May 10	Sep 26	Oct 7	Oct 18	139	160	180
St. Cloud	Stearns	Apr 18	Apr 24	May 9	Sep 29	Oct 13	Oct 21	143	172	186
Wadena	Wadena	Apr 27	May 8	May 22	Sep 21	Sep 30	Oct 12	122	145	168
Willmar	Kandiyohi	Apr 19	Apr 28	May 8	Sep 29	Oct 7	Oct 23	144	162	187
East Central District (6):										
Brainerd	Crow Wing	Apr 24	May 4	May 16	Sep 24	Sep 30	Oct 14	131	149	173
Cambridge	Isanti	Apr 20	Apr 29	May 13	Sep 26	Oct 5	Oct 17	136	169	170
Hinckley	Pine	Apr 22	May 4	May 19	Sep 24	Oct 3	Oct 14	128	152	175
Maple Plain	Hennepin	Apr 16	Apr 26	May 7	Oct 5	Oct 14	Oct 26	151	171	193
Milaca	Mille Lacs	Apr 22	May 3	May 12	Sep 25	Oct 8	Oct 18	136	158	179
Moose Lake	Carlton	Apr 30	May 15	May 24	Sep 13	Sep 27	Oct 13	112	135	166
Mora	Kanabec	Apr 22	May 5	May 14	Sep 26	Oct 2	Oct 17	135	150	178
Southwest District (7):										
Pipestone	Pipestone	Apr 20	May 3	May 9	Oct 1	Oct 9	Oct 22	145	159	185
Redwood Falls	Redwood	Apr 14	Apr 26	May 3	Oct 3	Oct 15	Oct 23	153	172	192
Tracy	Lyon	Apr 17	Apr 30	May 8	Oct 6	Oct 15	Oct 23	151	168	179
Worthington	Nobles	Apr 15	Apr 30	May 7	Oct 4	Oct 16	Oct 23	150	169	191
South Central District (8):										
Albert Lea	Freeborn	Apr 6	Apr 20	May 3	Oct 6	Oct 21	Oct 28	156	184	205
Fairmont	Martin	Apr 11	Apr 25	May 5	Oct 8	Oct 18	Oct 27	156	176	199
Faribault	Rice	Apr 17	Apr 27	May 6	Oct 5	Oct 17	Oct 25	152	173	191
New Ulm	Brown	Apr 19	May 1	May 13	Sep 27	Oct 6	Oct 21	137	158	185
St. Peter	Nicollet	Apr 10	Apr 28	May 9	Sep 30	Oct 12	Oct 23	144	167	196
Waseca	Waseca	Apr 18	Apr 28	May 9	Sep 29	Oct 10	Oct 23	143	165	188
Winnebago	Faribault	Apr 13	Apr 28	May 5	Oct 6	Oct 18	Oct 27	154	173	197
Southeast District (9):										
Farmington	Dakota	Apr 15	Apr 25	May 9	Oct 1	Oct 10	Oct 22	145	168	190
Grand Meadow	Mower	Apr 14	May 1	May 10	Sep 29	Oct 11	Oct 25	142	163	194
Winona	Winona	Apr 2	Apr 17	Apr 28	Oct 9	Oct 22	Nov 2	164	188	215
Zumbrota	Goodhue	Apr 19	May 3	May 14	Sep 30	Oct 7	Oct 19	139	157	183

1/ From data prepared by the National Weather Service Forecast Office, Minneapolis, Minnesota.

MONTHLY PRECIPITATION BY SELECTED STATIONS AND DISTRICTS, MINNESOTA, 1990

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
						Precipitation (Inches)						
Northwest												
Ada	.20	.74	1.68	2.07	.93	4.03	.72	2.31	1.67	.67	T	.80
Crookston	.25	.31	1.49	2.22	.71	5.79	.48	3.01	.87	.57	.01	.73
Hallock	.75	.40	1.82	1.03	.86	4.58	1.59	2.15	.78	.32	.20	.50
District	.33	.45	1.64	1.65	1.06	4.97	1.55	2.10	1.21	1.11	.14	.78
Normal	.67	.47	.83	1.68	2.40	3.63	3.32	3.09	2.47	1.45	.89	.69
North Central												
Grand Rapids	1.21	.67	1.63	2.12	.96	4.60	3.23	2.14	3.33	4.30	.29	.88
Int'l Falls	.62	.50	1.35	1.47	.98	5.50	3.13	2.15	1.23	1.42	.75	1.21
Park Rapids	.34	.57	1.82	1.92	.97	4.52	1.89	2.09	1.26	3.60	.20	.56
District	.57	.55	1.70	1.67	1.19	5.15	1.98	1.85	1.66	3.05	.29	.89
Normal	.78	.57	1.07	1.96	2.81	3.84	3.93	3.46	2.84	1.90	1.13	.87
Northeast												
Duluth	.51	.51	NA	NA	1.48	4.83	2.42	5.41	8.13	3.51	.65	.49
Grand Marais	.45	.26	1.30	2.97	.46	5.05	3.81	.88	2.79	4.19	1.70	1.11
Hibbing	.98	.40	NA	3.05	.76	5.69	3.22	.88	3.13	3.13	.37	.70
District	.81	.54	1.83	3.68	.95	5.68	2.55	2.46	3.68	3.82	1.02	.90
Normal	.96	.72	1.37	2.01	3.05	3.88	3.94	3.85	3.39	2.21	1.52	1.05
West Central												
Alexandria	.12	.38	2.39	1.77	2.21	5.25	1.85	2.97	1.79	2.87	.15	.53
Fergus Falls	.41	.35	2.25	1.91	2.20	4.49	2.28	3.08	2.32	3.00	.05	.19
Morris	.08	.33	1.49	1.94	1.64	5.16	1.21	1.64	2.15	1.60	.07	.35
District	.18	.36	2.02	1.82	2.30	5.54	2.21	3.98	1.83	2.35	.07	.39
Normal	.73	.74	1.24	2.35	2.97	4.14	3.19	3.17	2.09	1.69	1.07	.75
Central												
Olivia	.01	.47	2.12	2.39	4.53	6.67	5.65	1.26	1.58	2.05	.20	.39
St. Cloud	.06	.66	3.09	2.68	3.74	10.52	5.15	3.38	1.70	2.70	.30	.68
Willmar	.05	.52	2.52	2.41	4.34	9.37	2.55	5.55	2.40	2.15	.23	.36
District	.08	.62	3.09	2.88	3.95	7.92	4.87	2.87	2.08	2.43	.45	.54
Normal	.79	.79	1.46	2.29	3.36	4.50	3.73	3.97	2.59	1.92	1.25	.82
East Central												
Aitkin	.39	.92	1.94	2.94	1.35	5.25	2.85	2.18	NA	4.22	.44	.40
Cambridge	NA	.56	1.93	4.18	3.36	8.52	6.12	5.10	1.83	2.91	2.03	.31
MSP-Airport	.10	.77	3.66	3.80	3.36	9.82	5.06	1.71	1.88	1.23	.65	1.01
District	.27	.76	2.82	3.48	2.58	6.84	5.01	3.56	2.95	3.29	.74	.73
Normal	.86	.74	1.50	2.21	3.39	4.40	4.13	4.15	2.90	1.91	1.39	.94
Southwest												
Lamberton	.03	.31	2.32	1.52	4.53	3.69	2.77	5.01	1.20	1.97	.44	.47
Pipestone	.03	.44	2.00	1.58	4.83	4.04	5.07	3.17	.41	1.64	.55	.72
Redwood Falls	.23	.96	NA	2.48	4.67	7.46	7.42	2.94	.75	1.65	.39	.62
District	.11	.53	2.39	1.86	5.05	4.52	4.62	2.55	.69	1.94	.50	.68
Normal	.54	.79	1.44	2.36	3.31	3.98	3.45	3.29	2.78	1.85	1.09	.73
South Central												
Faribault	.40	NA	3.47	2.75	5.49	5.71	7.13	2.16	1.10	1.25	.40	1.20
Mankato	.04	.52	4.00	4.10	4.35	6.82	8.43	4.39	1.50	1.51	.41	1.29
Waseca	.26	1.03	4.02	2.80	5.31	6.68	6.14	6.45	1.50	1.36	.53	1.63
District	.14	.50	3.46	3.13	4.99	6.40	7.26	3.49	1.09	1.58	.39	1.15
Normal	.75	.86	1.71	2.50	3.67	4.43	3.96	3.85	2.98	1.94	1.30	.89
Southeast												
Caledonia	.38	NA	2.38	1.86	4.81	8.43	6.61	7.34	1.13	2.01	1.19	NA
Rochester	.55	.71	3.58	6.47	4.52	9.27	8.29	5.30	1.30	1.86	.44	1.65
Winona	NA	NA	1.50	6.39	4.26	6.58	4.55	7.02	1.76	1.31	.49	NA
District	.38	.63	3.41	5.08	4.45	8.29	6.31	4.81	1.37	1.81	.48	1.34
Normal	.91	.84	1.92	2.66	3.79	4.58	4.08	4.03	3.25	2.21	1.50	1.04

NA = Not Available.
T = Trace.

SECTION 2

CROPS

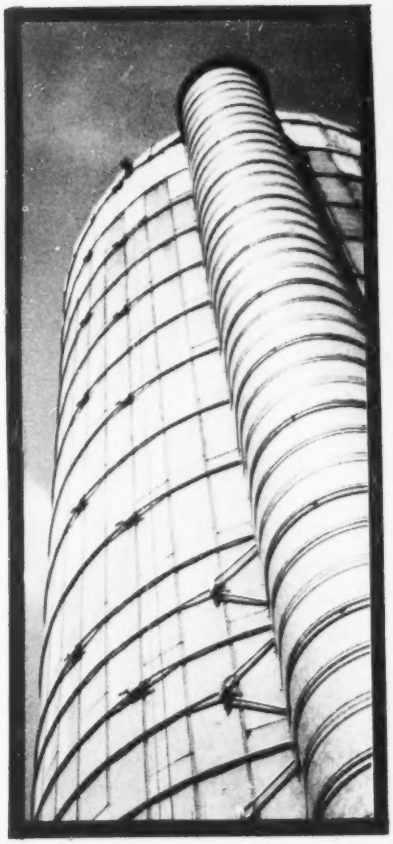


Photo by Janet Wieman

Crop Summary

RECORD CORN, SPRING WHEAT, DRY BEAN CROPS REPORTED

Timely rains were instrumental in helping farmers produce their all-time record ***corn*** crop. At 762.6 million bushels, corn output was 9% above 1989. This beats the 1981 record by 17.9 million bushels. The average yield was 124.0 bushels per acre, a bushel short of the 1989 level.

Soybean yields averaged 39.0 bushels per acre, tieing the record set back in 1987. Production at 179.4 million is just 5.6 million bushels below the record set in 1989.

All wheat production at 138.6 million bushels is up 35% from 1989. This is only 3.8 million bushels shy of the 1985 record output. The average yield was 48.4 bushels. ***Spring wheat*** production surpassed the previous record set in 1985, reaching 134.8 million in 1990. Yields of 49.0 bushels per acre were the second highest on record. ***Durum wheat*** output came in at 1.32 million bushels and the ***winter wheat*** crop totaled 2.55 million bushels

Oat production of 48.2 million bushels was up 3% from 1989. Yields came in at 66.0 bushels per acre, 4 short of the record set in 1985.

Minnesota's ***barley*** production posted a 15% gain from '89, at 50.4 million bushels. Farmers reported yields of 63.0 bushels per acre, 3 below the 1985 record.

Rye production at 868,000 bushels fell 20% from '89. Yields dropped 3 bushels to 31.0 bushels per acre.

Production of ***flax*** more than doubled 1989's 95,000-bushel level, reaching 238,000 bushels. Yields averaged 17 bushels per acre.

The state's ***all sunflower*** crop came to 226.0 million pounds, for a 137% gain from 1989. Production of ***non-oil sunflowers*** gained 234% to a record 112.1 million pounds, with average yields of 1,625 pounds per acre. ***Oil sunflower*** output of 113.9 million pounds was up 85% from 1989 with yields of 1,650 pounds per acre.

Dry bean production gained 94% from 1989 to a record 1,768,000 hundredweight. Yields of 1,300 pounds per acre were the same.

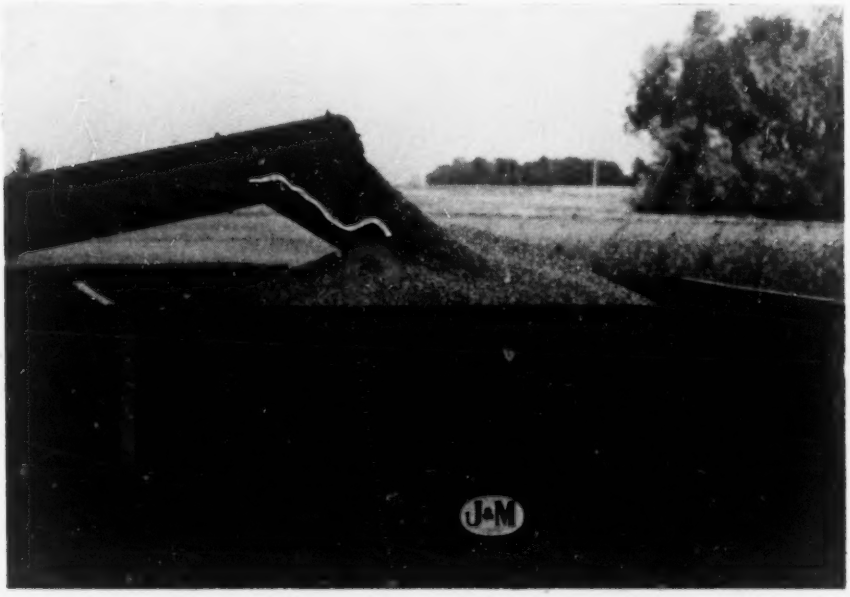


Photo by Janet Wieman

MINNESOTA AND U.S. CROP PRODUCTION RECORDS

Crop	Plantings (000 Acres)		Yield Per Acre		Production (000)	
CORN:						
Minnesota	7,700	1981	127.0 Bu.	1987	744,700 Bu.	1981
United States	113,024	1932	119.8 Bu.	1987	8,876,706 Bu.	1985
SOYBEANS:						
Minnesota	5,300	1984	39.0 Bu.	1987	185,000 Bu.	1989
United States	71,411	1979	34.1 Bu.	1985	2,260,665 Bu.	1979
ALL WHEAT:						
Minnesota	1/ 6,375	1899	53.1 Bu.	1985	142,426 Bu.	1985
United States	1/ 88,251	1981	39.5 Bu.	1990	2,785,357 Bu.	1981
BARLEY:						
Minnesota	2,380	1935	66.0 Bu.	1985	70,950 Bu.	1985
United States	19,686	1942	57.2 Bu.	1982	610,522 Bu.	1986
OATS:						
Minnesota	5,466	1945	70.0 Bu.	1985	242,640 Bu.	1945
United States	47,494	1955	63.7 Bu.	1985	1,523,851 Bu.	1945
ALL HAY:						
Minnesota	1/ 4,721	1941	3.39 Tons	1986	9,675 Tons	1986
United States	1/ 77,639	1944	2.50 Tons	1982	155,529 Tons	1986
FLAX:						
Minnesota	1,758	1943	19.0 Bu.	1985	19,102 Bu.	1948
United States	6,182	1943	16.9 Bu.	1986	54,803 Bu.	1948
RYE:						
Minnesota	665	1937	38.0 Bu.	1984	23,522 Bu.	1922
United States	7,235	1937	33.1 Bu.	1984	125,144 Bu.	1918
SUGARBEETS:						
Minnesota	368	1990	20.0 Tons	1987	6,200 Tons	1987
United States	1,647	1969	22.4 Tons	1981, 1987	29,704 Tons	1975
ALL SUNFLOWERS:						
Minnesota	1,400	1979	1,638 Lbs.	1990	1,870,620 Lbs.	1979
United States	5,555	1979	1,469 Lbs.	1987	7,296,110 Lbs.	1979

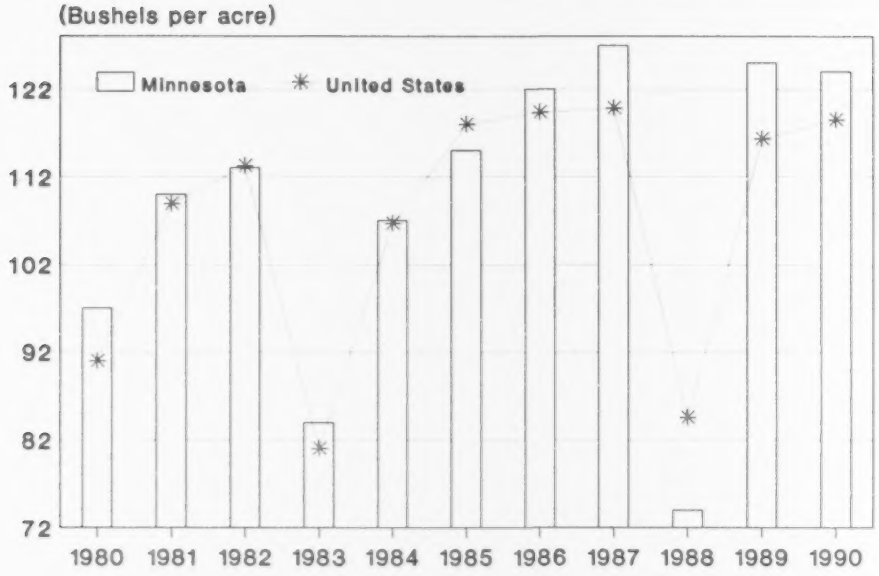
1/ Harvested acres.

MINNESOTA STOCKS AND CROP PRICE RECORDS

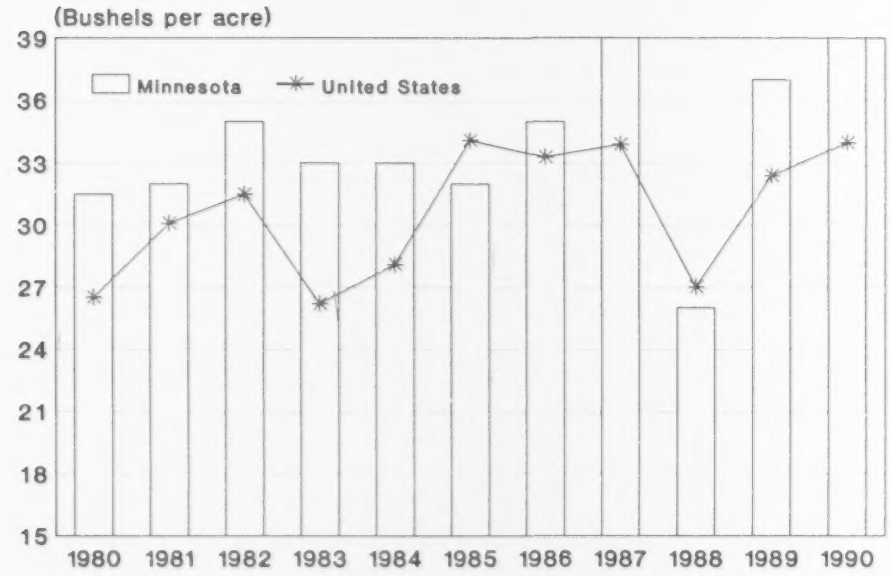
Crop	Farm Stocks (000)	Off-Farm Stocks (000)	High Monthly Price	Low Monthly Price
CORN	820,000 Bu. Dec. 1, 1986	259,100 Bu. Dec. 1, 1987	$3.34 Bu. October 1974	$0.13 Bu. February 1933
SOYBEANS	125,000 Bu. Dec. 1, 1986	102,329 Bu. Dec. 1, 1986	$10.00 Bu. June 1973	$0.65 Bu. August 1939
ALL WHEAT	175,000 Bu. Sept. 1, 1986	101,732 Bu. Sept. 1, 1986	$5.38 Bu. February 1974	$0.33 Bu. December 1932
BARLEY	88,688 Bu. Oct. 1, 1985	45,258 Bu. Sept. 1, 1988	$3.82 Bu. November 1974	$0.16 Bu. Feb., March 1933
OATS	208,670 Bu. Oct. 1, 1945	78,566 Bu. Oct. 1, 1971	$2.93 Bu. July 1988	$0.10 Bu. October 1933
FLAX	6,695 Bu. Oct. 1, 1950	21,538 Bu. Oct. 1, 1949	$10.80 Bu. March, Aug. 1974	$0.82 Bu. August 1932
RYE	4,356 Bu. Dec. 1, 1940	12,720 Bu. Oct. 1, 1972	1/ $2.93 Bu. 1981	$0.19 Bu. December 1932

1/ Highest annual price since monthly estimates were discontinued in June 1976.

CORN YIELDS
Minnesota & United States



SOYBEAN YIELDS
Minnesota & United States



MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Marketing Year Average Price 1/	Farm Value Of Production
			CORN FOR GRAIN			
	1,000 Acres 2/	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1986	6,300	5,600	122.0	683,200	1.46	997,472
1987	5,400	4,800	127.0	609,600	1.98	1,207,008
1988	5,700	4,700	74.0	347,800	2.40	834,720
1989	6,200	5,600	125.0	700,000	2.27	1,589,000
1990	6,700	6,150	124.0	762,600	2.15	1,639,590
			CORN FOR SILAGE			
		1,000 Acres	Tons	1,000 Tons		
1986	-----	530	13.5	7,155	-----	-----
1987	-----	530	13.5	7,155	-----	-----
1988	-----	850	6.2	5,270	-----	-----
1989	-----	520	10.5	5,460	-----	-----
1990	-----	480	12.0	5,760	-----	-----
			SOYBEANS			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1986	4,750	4,650	35.0	162,750	4.72	768,180
1987	4,700	4,650	39.0	181,350	6.10	1,106,235
1988	4,900	4,800	26.0	124,800	7.30	911,040
1989	5,050	5,000	37.0	185,000	5.58	1,032,300
1990	4,700	4,600	39.0	179,400	5.70	1,022,580
			OATS			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1986	1,600	850	51.0	43,350	1.28	55,488
1987	2,100	800	57.0	45,600	1.62	73,872
1988	1,700	750	33.0	24,750	2.59	64,103
1989	1,250	850	55.0	46,750	1.51	70,593
1990	1,100	730	66.0	48,180	1.05	50,589
			BARLEY			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1986	1,200	1,000	55.0	55,000	1.47	80,850
1987	1,200	870	57.0	49,590	1.74	86,287
1988	1,250	850	32.0	27,200	2.67	72,624
1989	925	800	55.0	44,000	2.62	115,280
1990	850	800	63.0	50,400	1.85	93,240
			RYE			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1986	100	50	32.0	1,600	1.46	2,336
1987	75	40	30.0	1,200	1.47	1,764
1988	75	40	23.0	920	1.97	1,812
1989	60	32	34.0	1,088	1.66	1,806
1990	55	28	31.0	868	1.65	1,432

1/ Marketing year average prices received by farmers are based on monthly prices weighted by monthly marketings. Marketing year periods, by crop, are October-September for corn; September-August for soybeans; and July-June for oats, barley, rye. Prices do not include allowance for CCC loans outstanding, purchases by the government, or deficiency payments. 1990 prices are preliminary. 2/ Acreage planted to corn is for "all purposes."

MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE (CONTINUED)

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Marketing Year Average Price 1/	Farm Value Of Production
ALL WHEAT						
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1986	2,965	2,814	36.8	103,666	2.43	251,674
1987	2,580	2,519	40.7	102,588	2.57	263,360
1988	2,520	2,250	23.0	51,730	3.79	196,087
1989	2,765	2,699	38.0	102,504	3.63	372,152
1990	2,960	2,865	48.4	138,620	2.50	346,687
SPRING WHEAT (OTHER THAN DURUM)						
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1986	2,750	2,650	37.0	98,050	2.43	238,262
1987	2,450	2,400	41.0	98,400	2.56	251,904
1988	2,400	2,150	23.0	49,450	3.79	187,416
1989	2,600	2,550	38.0	96,900	3.63	351,747
1990	2,800	2,750	49.0	134,750	2.50	336,875
DURUM WHEAT						
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1986	35	34	39.0	1,326	2.90	3,845
1987	30	29	42.0	1,218	3.48	4,239
1988	45	40	21.0	840	4.10	3,444
1989	30	29	36.0	1,044	3.69	3,852
1990	30	30	44.0	1,320	2.70	3,564
WINTER WHEAT						
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1986	180	130	33.0	4,290	2.23	9,567
1987	100	90	33.0	2,970	2.43	7,217
1988	75	60	24.0	1,440	3.63	5,227
1989	135	120	38.0	4,560	3.63	16,553
1990	130	85	30.0	2,550	2.45	6,248
FLAXSEED						
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1986	35	34	16.0	544	3.39	1,844
1987	15	14	16.0	224	3.43	768
1988	15	11	10.0	110	7.43	817
1989	10	9	10.5	95	6.74	640
1990	15	14	17.0	238	5.85	1,392
SUGARBEETS						
	1,000 Acres	1,000 Acres	Tons	1,000 Tons	Dols. Per Ton 2/	1,000 Dols.2/
1986	315	311	16.7	5,194	39.20	203,605
1987	311	310	20.0	6,200	43.80	271,560
1988	339	334	14.2	4,743	43.90	208,218
1989	342	341	16.0	5,456	40.80	222,605
1990	368	364	14.8	5,387	NA	NA

1/ Marketing year average prices received by farmers are based on monthly prices weighted by monthly marketings. The marketing year period is June-July for wheat and flaxseed. The sugarbeet price relates to prices received by producers during the harvest period. Prices do not include allowance for CCC loans outstanding, purchases by the government or deficiency payments. 1990 prices are preliminary. 2/ Excludes Sugar Act payments. NA = Not Available.

MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE (CONTINUED)

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Marketing Year Average Price 1/	Farm Value Of Production
			ALL SUNFLOWERS			
	1,000 Acres	1,000 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1986	155	150	1,508	226,200	7.11	16,082
1987	90	88	1,455	128,050	8.38	10,727
1988	58	47	1,363	64,050	12.50	8,009
1989	70	68	1,400	95,200	12.10	11,474
1990	140	138	1,638	225,975	11.80	26,758
			OIL SUNFLOWERS			
	1,000 Acres	1,000 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1986	130	126	1,500	189,000	6.71	12,682
1987	80	79	1,450	114,550	8.19	9,382
1988	45	35	1,350	47,250	10.80	5,103
1989	45	44	1,400	61,600	10.50	6,468
1990	70	69	1,650	113,850	10.70	12,182
			NON-OIL SUNFLOWERS			
	1,000 Acres	1,000 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1986	25	24	1,550	37,200	9.14	3,400
1987	10	9	1,500	13,500	9.96	1,345
1988	13	12	1,400	16,800	17.30	2,906
1989	25	24	1,400	33,600	14.90	5,006
1990	70	69	1,625	112,125	13.00	14,576
			ALL HAY			
		1,000 Acres	Tons	1,000 Tons	Dols. Per Ton	1,000 Dols.
1986	-----	2,850	3.39	9,675	52.50	507,938
1987	-----	2,625	2.97	7,800	63.50	495,300
1988	-----	4,000	1.74	6,960	98.00	682,080
1989	-----	2,600	2.46	6,400	85.50	547,200
1990	-----	2,400	2.73	6,560	85.00	557,600
			ALFALFA HAY			
		1,000 Acres	Tons	1,000 Tons		
1986	-----	1,950	3.90	7,605	-----	-----
1987	-----	1,700	3.50	5,950	-----	-----
1988	-----	2,400	1.90	4,560	-----	-----
1989	-----	1,700	2.60	4,420	-----	-----
1990	-----	1,600	3.20	5,120	-----	-----
			ALL OTHER HAY			
		1,000 Acres	Tons	1,000 Tons		
1986	-----	900	2.30	2,070	-----	-----
1987	-----	925	2.00	1,850	-----	-----
1988	-----	1,600	1.50	2,400	-----	-----
1989	-----	900	2.20	1,980	-----	-----
1990	-----	800	1.80	1,440	-----	-----

1/ Marketing year average prices received by farmers are based on monthly prices weighted by monthly marketings. Marketing years are September-August for sunflowers and June-May for all hay. 1990 prices are preliminary.

MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE (CONTINUED)

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Marketing Year Average Price 1/	Farm Value Of Production
ALL POTATOES						
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1986	78,300	76,200	201	15,293	4.50	68,282
1987	78,500	77,400	236	18,250	3.25	59,264
1988	75,900	74,700	181	13,557	6.30	85,091
1989	73,400	72,300	218	15,750	6.05	95,414
1990	75,200	74,100	217	16,110	6.25	100,376
FALL POTATOES						
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1986	72,000	70,000	195	13,650	4.25	58,013
1987	72,000	71,000	230	16,330	3.20	52,256
1988	70,000	69,000	175	12,075	6.20	74,865
1989	67,000	66,000	210	13,860	5.80	80,388
1990	69,000	68,000	210	14,280	NA	NA
SUMMER POTATOES						
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1986	6,300	6,200	265	1,643	6.25	10,269
1987	6,500	6,400	300	1,920	3.65	7,008
1988	5,900	5,700	260	1,482	6.90	10,226
1989	6,400	6,300	300	1,890	7.95	15,026
1990	6,200	6,100	300	1,830	NA	NA

1/ Marketing year average prices received by farmers are based on monthly prices weighted by monthly marketings, July-June. The 1990 price is preliminary. NA = Not Available.

A MINNESOTA PIONEER FARM HOME IN THE 1840's

(The A. L. Larpenteur house, St. Paul, from a sketch in the possession of the Minnesota Historical Society)

MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE (CONTINUED)

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Marketing Year Average Price 1/	Farm Value Of Production
ALL DRY EDIBLE BEANS						
	Acres	Acres	Pounds	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1987	75,000	74,000	1,600	1,184	15.90	18,826
1988	65,000	60,000	800	480	29.00	13,920
1989	82,000	70,000	1,300	910	25.80	23,478
1990	140,000	136,000	1,300	1,768	20.00	35,360
NAVY DRY EDIBLE BEANS						
	Acres	Acres	Pounds	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1987	39,000	38,000	1,710	650	-----	------
1988	35,000	31,000	710	220	-----	------
1989	43,000	36,000	1,390	500	-----	------
1990	69,000	67,000	1,370	919	-----	------
PINTO DRY EDIBLE BEANS						
	Acres	Acres	Pounds	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1987	23,000	23,000	1,500	345	-----	------
1988	17,000	17,000	710	120	-----	------
1989	21,000	18,000	910	163	-----	------
1990	37,300	36,200	1,020	371	-----	------
ALL RED KIDNEY DRY EDIBLE BEANS						
	Acres	Acres	Pounds	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1987	10,000	10,000	1,400	140	-----	-----
1988	12,000	11,000	1,090	120	-----	-----
1989	17,000	15,000	1,580	236	-----	-----
1990	24,100	23,400	1,740	407	-----	-----
LIGHT RED KIDNEY DRY EDIBLE BEANS 2/						
	Acres	Acres	Pounds	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1990	500	500	2,400	12	-----	------
DARK RED KIDNEY DRY EDIBLE BEANS 2/						
	Acres	Acres	Pounds	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1990	23,600	22,900	1,720	395	----	------
OTHER DRY EDIBLE BEANS						
	Acres	Acres	Pounds	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1987	3,000	3,000	1,633	49	----	----
1988	1,000	1,000	2,000	20	----	----
1989	1,000	1,000	1,000	10	----	----
1990	9,600	9,400	760	71	----	----

1/ Marketing year average prices received by farmers are based on monthly prices weighted by monthly marketings. For dry beans, the marketing year is from September-August. The 1990 price is preliminary. 2/ Estimates began in 1990.

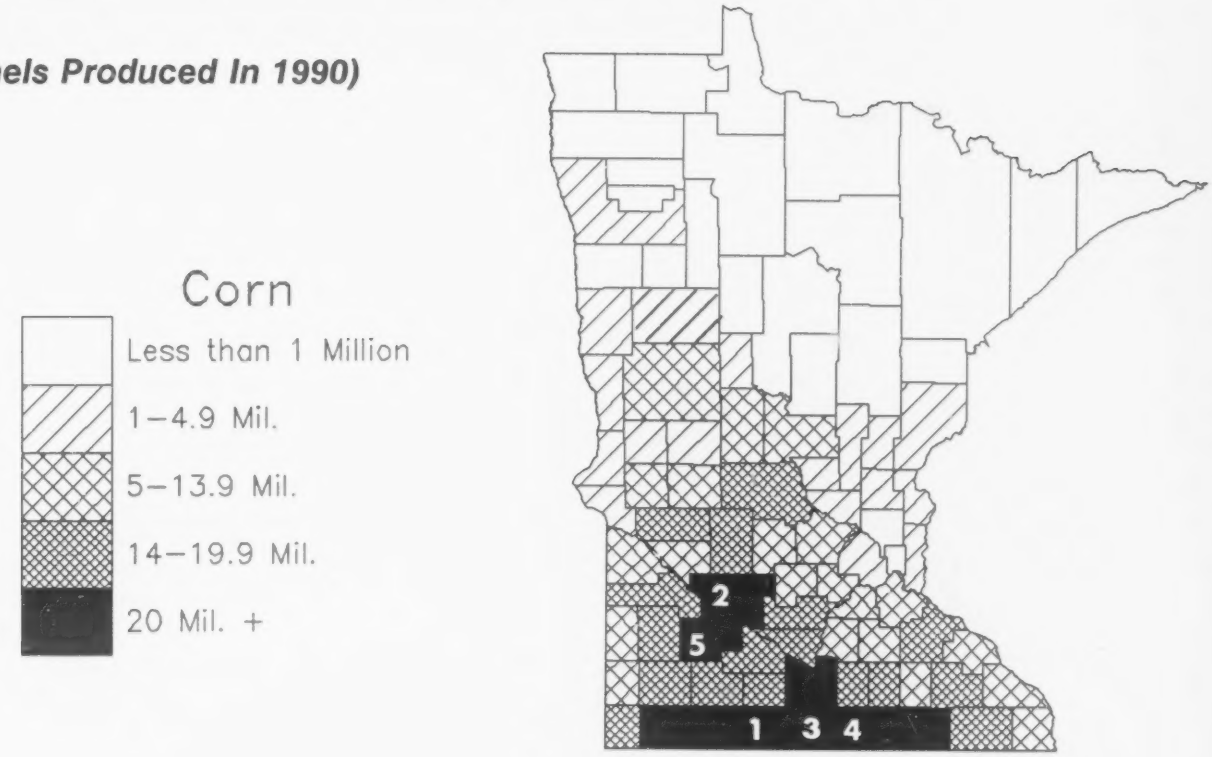
MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE (CONTINUED)

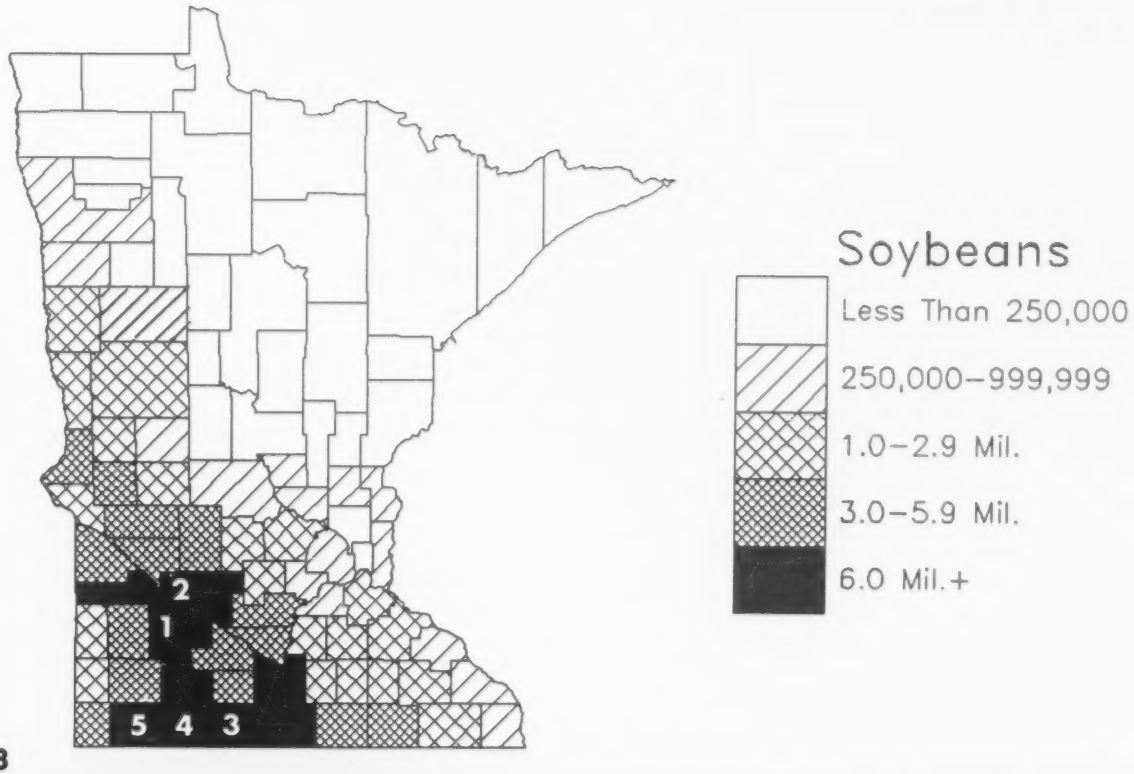
Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Marketing Year Average Price 1/	Farm Value Of Production
SWEET CORN FOR PROCESSING						
	Acres	Acres	Tons 2/	Tons 2/	Dols. Per Ton 3/	1,000 Dols.
1986	125,400	123,500	5.95	734,830	53.80	39,534
1987	130,600	112,200	6.50	729,300	56.10	40,914
1988	127,200	124,200	4.38	544,000	55.60	30,246
1989	112,500	106,700	6.10	650,870	61.50	40,029
1990	140,100	130,000	5.79	752,700	62.40	46,968
GREEN PEAS FOR PROCESSING						
	Acres	Acres	Tons 4/	Tons 4/	Dols. Per Ton 3/	1,000 Dols.
1986	77,300	72,700	1.30	94,510	232.00	21,926
1987	82,000	76,300	1.37	104,530	214.00	22,369
1988	75,000	74,100	.72	53,350	259.00	13,818
1989	80,500	73,700	1.54	113,500	250.00	28,375
1990	91,500	84,700	1.34	113,500	247.00	28,035
ONIONS						
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols. 5/
1986	700	650	320	208	11.50	2,151
1987	730	650	300	195	10.50	1,838
1988	730	600	210	126	9.58	1,054
1989	730	670	240	161	7.25	1,030
1990	600	540	385	208	5.60	1,053
CARROTS FOR FRESH MARKET AND PROCESSING						
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1986	1,400	1,200	400	480	7.03	3,374
1987	1,600	1,500	360	540	5.91	3,190
1988	1,700	1,400	175	245	9.37	2,296
1989	2,100	1,800	365	657	5.38	3,535
1990	2,200	1,900	335	637	5.80	3,696
COMMERCIAL APPLES						
Crop Year	Acreage Planted	Acreage Harvested	Utilized Production		Season Average Price	Farm Value Of Utilized Production
			Mil. Lbs.		Cents Per Lb.	1,000 Dols.
1986	-----	-----	18.0		30.5	5,484
1987	-----	-----	23.0		23.0	5,299
1988	-----	-----	12.5		30.2	3,772
1989	-----	-----	27.5		27.8	7,651
1990	-----	-----	19.2		37.4	7,181

1/ Average price relates to prices received by the producer during the harvest period. 1990 prices are preliminary. 2/ In husk. 3/ Price includes delivery costs to the warehouse door. 4/ Shelled. 5/ Value of productionn is computed on marketed production.

Geographic Distribution Of Major Minnesota Crops In 1990

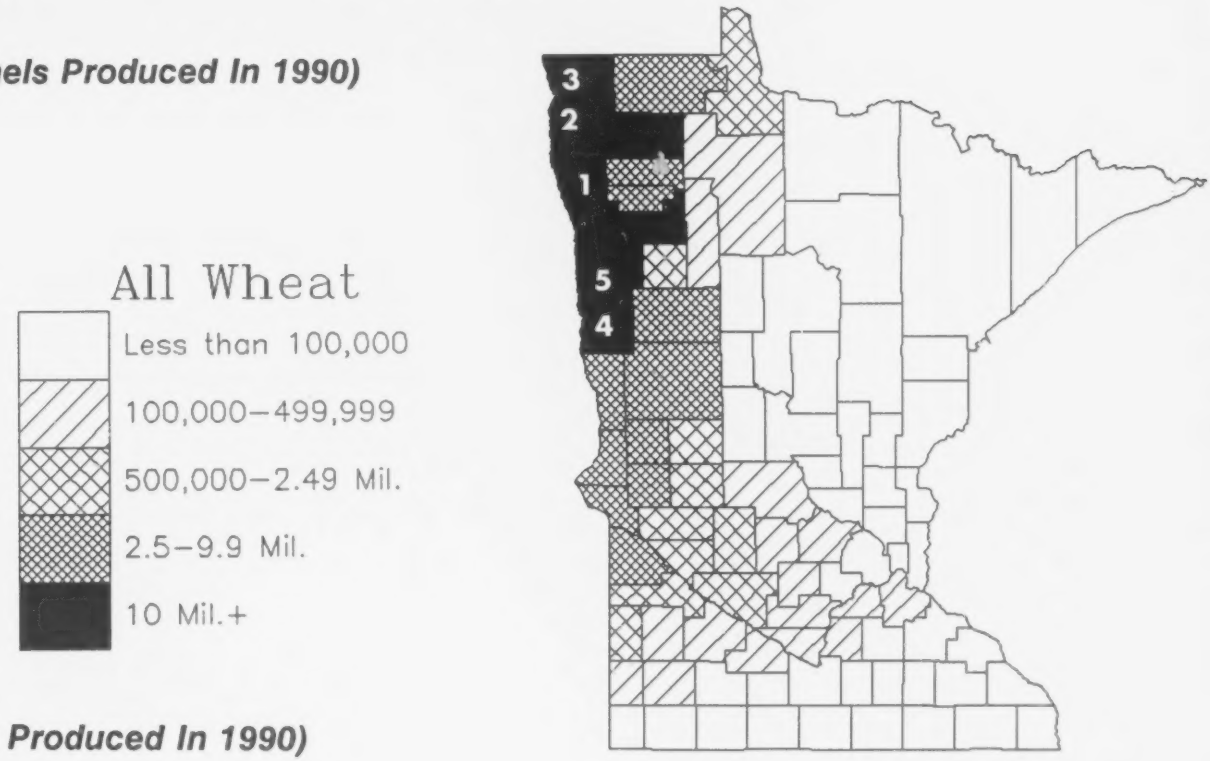
(Bushels Produced In 1990)



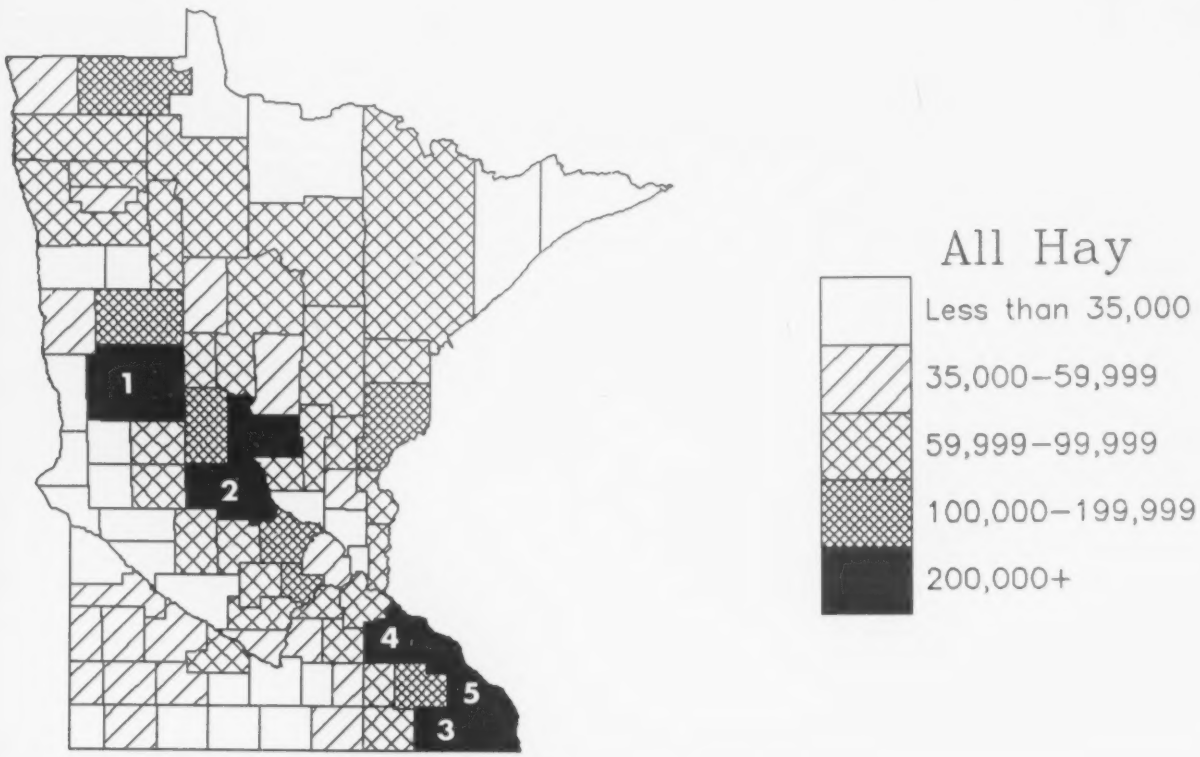


Geographic Distribution Of Major Minnesota Crops In 1990

(Bushels Produced In 1990)



(Tons Produced In 1990)



CORN: ACREAGE PLANTED ALL PURPOSES, HARVESTED FOR GRAIN, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-1990

District And County	Planted Acreage		Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	-Acres-		-Acres-		-Bushels-		-Bushels-	
Becker	22,100	23,900	11,400	14,800	78.0	72.0	889,200	1,065,600
Clay	39,100	38,900	29,800	34,200	58.0	82.0	1,728,400	2,804,400
Clearwater	5,100	4,200	2,700	2,000	85.0	78.0	229,500	156,000
Kittson	2,200	2,400	900	1,000	75.0	58.0	67,500	58,000
Mahnomen	9,700	7,300	6,400	5,100	64.0	66.0	409,600	336,600
Marshall	7,100	6,000	3,700	2,900	54.0	51.0	199,800	147,900
Norman	17,300	16,700	12,600	12,000	63.0	70.0	793,800	840,000
Pennington	3,100	4,200	2,400	3,100	67.0	69.0	160,800	213,900
Polk	32,900	30,000	25,200	23,300	55.0	69.0	1,386,000	1,607,700
Red Lake	9,600	9,100	5,800	6,000	66.0	71.0	382,800	426,000
Roseau	4,800	5,300	3,000	2,100	54.0	89.0	162,000	186,900
Northwest	153,000	148,000	103,900	106,500	61.7	73.6	6,409,400	7,843,000
Beltrami	4,700	4,300	2,400	1,700	88.0	70.0	211,200	119,000
Cass	8,200	7,500	3,900	3,000	85.0	65.0	331,500	195,000
Hubbard	8,700	8,200	5,700	6,500	108.0	112.0	615,600	728,000
Other Counties	2,400	2,000	1,100	900	63.7	73.8	70,100	66,400
North Central	24,000	22,000	13,100	12,100	93.8	91.6	1,228,400	1,108,400
Northeast	500	500	---	---	---	---	---	---
Big Stone	42,600	47,400	39,600	45,000	116.0	101.0	4,593,600	4,545,000
Chippewa	100,600	112,400	98,000	109,300	109.0	122.0	10,682,000	13,334,600
Douglas	49,400	51,900	35,400	40,000	67.0	92.0	2,371,800	3,680,000
Grant	37,700	41,400	33,800	38,500	101.0	93.0	3,413,800	3,580,500
Lac Qui Parle	106,000	117,100	101,700	113,600	118.0	114.0	12,000,600	12,950,400
Otter Tail	148,600	154,500	106,400	115,900	87.0	88.0	9,256,800	10,199,200
Pope	80,100	87,200	66,900	75,900	104.0	112.0	6,957,600	8,500,800
Stevens	86,600	92,600	81,400	88,900	126.0	114.0	10,256,400	10,134,600
Swift	121,500	139,800	116,500	135,600	120.0	116.0	13,980,000	15,729,600
Traverse	36,600	36,800	35,300	35,300	109.0	111.0	3,847,700	3,918,300
Wilkin	32,100	30,800	30,100	29,600	85.0	78.0	2,558,500	2,308,800
Yellow Medicine	146,200	161,100	138,600	154,700	114.0	119.0	15,800,400	18,409,300
West Central	988,000	1,073,000	883,700	982,300	108.3	109.2	95,719,200	107,291,100
Benton	49,200	54,900	37,500	41,900	99.0	115.0	3,712,500	4,818,500
Carver	57,100	58,800	50,300	51,300	145.0	127.0	7,293,500	6,515,100
Kandiyohi	137,500	144,700	127,900	133,600	108.0	123.0	13,813,200	16,432,800
McLeod	76,700	84,200	71,400	79,500	134.0	124.0	9,567,600	9,858,000
Meeker	109,200	115,500	101,300	106,300	101.0	118.0	10,231,300	12,543,400
Morrison	83,800	88,800	43,800	54,900	64.0	98.0	2,803,200	5,380,200
Renville	180,900	210,000	176,500	202,800	136.0	133.0	24,004,000	26,972,400
Scott	40,400	42,500	37,300	38,700	140.0	133.0	5,222,000	5,147,100
Sherburne	28,600	28,100	24,600	24,700	115.0	112.0	2,829,000	2,766,400
Sibley	117,900	125,700	112,800	120,900	140.0	130.0	15,792,000	15,717,000
Stearns	184,900	194,600	119,800	139,100	78.0	114.0	9,344,400	15,857,400
Todd	89,500	86,200	52,100	56,600	80.0	94.0	4,168,000	5,320,400
Wadena	23,500	24,300	16,600	17,200	71.0	75.0	1,178,600	1,290,000
Wright	74,300	76,600	61,100	67,200	107.0	122.0	6,537,700	8,198,400
Central	1,253,500	1,334,900	1,033,000	1,134,700	112.8	120.6	116,497,000	136,817,100

CORN: ACREAGE PLANTED ALL PURPOSES, HARVESTED FOR GRAIN, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA 1989-1990 (CONT'D)

District And County	Planted Acreage		Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	-Acres-		-Acres-		-Bushels-		-Bushels-	
Aitkin	2,800	1,700	400	300	75.0	73.0	30,000	21,900
Anoka	15,800	9,200	14,600	8,700	89.0	95.0	1,299,400	826,500
Chisago	34,200	28,900	32,100	26,300	95.0	102.0	3,049,500	2,682,600
Crow Wing	9,500	9,800	4,000	5,200	48.0	81.0	192,000	421,200
Hennepin	20,300	19,000	18,500	16,300	115.0	117.0	2,127,500	1,907,100
Isanti	32,500	35,800	30,200	33,700	93.0	104.0	2,808,600	3,504,800
Kanebec	19,600	19,500	13,300	14,200	65.0	102.0	864,500	1,448,400
Mille Lacs	26,900	26,600	19,000	20,300	78.0	95.0	1,482,000	1,928,500
Pine	24,700	22,800	12,300	13,200	70.0	92.0	861,000	1,214,400
Washington	30,300	27,400	29,200	25,200	125.0	124.0	3,650,000	3,124,800
Other Counties	1,400	1,500	400	700	85.0	109.0	34,000	76,300
East Central	218,000	202,200	174,000	164,100	94.2	104.5	16,398,500	17,156,500
Cottonwood	143,300	160,800	138,000	155,000	134.0	124.0	18,492,000	19,220,000
Jackson	163,200	183,000	159,100	178,300	139.0	133.0	22,114,900	23,713,900
Lincoln	76,000	84,600	67,300	76,800	113.0	110.0	7,604,900	8,448,000
Lyon	138,100	168,700	129,800	160,000	114.0	114.0	14,797,200	18,240,000
Murray	149,100	159,700	143,300	154,900	120.0	114.0	17,196,000	17,658,600
Nobles	171,100	193,900	165,600	188,000	135.0	123.0	22,356,000	23,124,000
Pipestone	102,200	108,200	92,100	101,900	108.0	110.0	9,946,800	11,209,000
Redwood	190,800	212,200	184,000	202,200	133.0	128.0	24,472,000	25,881,600
Rock	118,200	132,600	111,800	126,800	129.0	118.0	14,422,200	14,962,400
Southwest	1,252,000	1,403,700	1,191,000	1,343,900	127.1	120.9	151,402,000	162,457,500
Blue Earth	156,100	177,600	152,900	173,800	138.0	137.0	21,100,200	23,810,600
Brown	130,400	142,800	124,900	137,100	140.0	132.0	17,486,000	18,097,200
Faribault	176,800	192,500	172,900	189,600	148.0	141.0	25,589,200	26,733,600
Freeborn	170,500	192,700	166,100	189,800	147.0	140.0	24,416,700	26,572,000
LeSueur	72,000	78,600	67,200	73,900	142.0	137.0	9,542,400	10,124,300
Martin	182,100	206,900	178,700	202,800	147.0	138.0	26,268,900	27,986,400
Nicollet	98,800	107,200	94,900	102,900	149.0	139.0	14,140,100	14,303,100
Rice	77,400	86,000	71,300	80,700	142.0	138.0	10,124,600	11,136,600
Steele	104,900	109,500	101,600	105,300	136.0	136.0	13,817,600	14,320,800
Waseca	110,600	118,000	107,300	115,600	134.0	135.0	14,378,200	15,606,000
Watonwan	105,400	120,200	103,200	118,000	138.0	134.0	14,241,600	15,812,000
South Central	1,385,000	1,532,000	1,341,000	1,489,500	142.5	137.3	191,105,500	204,502,600
Dakota	90,700	89,000	85,400	82,500	138.0	139.0	11,785,200	11,467,500
Dodge	100,300	110,300	97,600	105,000	145.0	131.0	14,152,000	13,755,000
Fillmore	140,900	150,800	130,600	140,300	133.0	132.0	17,369,800	18,519,600
Goodhue	130,500	132,100	119,400	122,200	148.0	139.0	17,671,200	16,985,800
Houston	59,900	62,300	52,200	56,300	135.0	143.0	7,047,000	8,050,900
Mower	162,700	182,200	158,800	175,600	145.0	139.0	23,026,000	24,408,400
Olmsted	105,100	111,400	97,800	103,800	139.0	135.0	13,594,200	14,013,000
Wabasha	66,000	70,800	58,100	63,400	138.0	142.0	8,017,800	9,002,800
Winona	69,900	74,800	60,400	67,800	142.0	136.0	8,576,800	9,220,800
Southeast	926,000	983,700	860,300	916,900	140.9	136.8	121,240,000	125,423,800
Minnesota	6,200,000	6,700,000	5,600,000	6,150,000	125.0	124.0	700,000,000	762,600,000

CORN FOR SILAGE: ACREAGE HARVESTED, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90

District And County	Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990
	-Acres-		-Tons-		-Tons-	
Becker	9,500	8,000	8.2	7.5	77,900	60,000
Clay	8,300	4,400	8.5	9.9	70,600	43,600
Clearwater	2,300	2,100	6.7	5.5	15,500	11,600
Mahnomen	3,200	2,100	6.1	6.1	19,600	12,800
Marshall	2,500	2,500	6.3	6.2	15,800	15,500
Norman	4,100	4,300	9.3	10.5	38,200	45,200
Polk	6,200	5,700	6.1	7.3	37,800	41,600
Red Lake	3,500	3,000	10.4	7.5	36,400	22,500
Roseau	1,700	3,100	10.4	6.9	17,700	21,400
Other Counties	1,700	2,300	6.1	7.7	10,300	17,700
Northwest	43,000	37,500	7.9	7.8	339,800	291,900
Beltrami	2,200	2,400	9.5	5.7	20,900	13,700
Cass	3,400	3,800	6.2	6.1	21,100	23,300
Hubbard	1,700	1,000	7.2	7.0	12,300	7,000
Other Counties	1,200	900	9.1	8.3	10,900	7,500
North Central	8,500	8,100	7.7	6.4	65,200	51,500
Northeast	400	100	11.5	12.0	4,600	1,200
Big Stone	2,600	2,200	9.5	11.7	24,700	25,700
Chippewa	1,100	2,100	10.3	12.5	11,300	26,300
Douglas	12,900	11,000	7.6	9.5	98,100	104,500
Grant	3,500	2,700	10.2	8.8	35,700	23,800
Lac Qui Parle	2,900	3,000	12.4	12.3	36,000	36,900
Otter Tail	41,800	38,300	7.5	8.7	313,500	333,200
Pope	12,900	11,100	11.2	12.7	144,500	141,000
Stevens	2,600	2,100	14.8	13.0	38,500	27,300
Swift	3,600	3,000	13.6	14.6	49,000	43,800
Yellow Medicine	6,100	5,000	12.4	13.3	75,700	66,500
Other Counties	1,800	1,800	9.8	9.8	17,700	17,700
West Central	91,800	82,300	9.2	10.3	844,700	846,700
Benton	11,500	12,600	10.0	11.7	115,000	147,400
Carver	6,500	6,900	14.9	15.5	96,900	107,000
Kandiyohi	7,800	8,900	10.8	12.0	84,000	106,800
McLeod	5,200	4,400	17.8	14.8	92,600	65,100
Meeker	7,100	8,400	10.8	12.5	76,700	105,000
Morrison	38,000	31,900	6.3	9.7	240,500	309,400
Renville	3,400	5,900	16.1	15.2	54,800	89,700
Scott	3,000	3,500	14.6	13.0	43,800	45,500
Sherburne	3,600	2,800	10.7	11.7	38,600	32,800
Sibley	5,000	4,700	13.6	15.7	68,000	73,300
Stearns	63,500	54,000	9.0	12.0	569,700	648,000
Todd	34,800	27,400	7.2	9.5	250,600	260,300
Wadena	6,600	6,700	5.2	6.7	34,300	44,900
Wright	12,800	9,000	12.1	14.5	154,900	130,500
Central	208,800	187,100	9.2	11.6	1,920,400	2,166,200

CORN FOR SILAGE: ACREAGE HARVESTED, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90 (CONT'D)

District And County	Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990
	-Acres-		-Tons-		-Tons-	
Aitkin	2,300	1,400	8.6	11.5	19,800	16,100
Chisago	1,900	2,300	13.0	12.6	24,700	29,000
Crow Wing	4,800	4,200	7.6	10.5	36,500	44,100
Hennepin	1,700	2,400	11.7	7.2	19,900	17,300
Isanti	2,100	1,900	14.7	14.3	30,900	27,200
Kanabec	5,500	4,700	9.0	12.0	49,500	56,400
Mille Lacs	7,600	6,100	7.7	11.5	58,600	70,200
Pine	9,900	8,400	6.4	9.5	63,400	79,800
Other Counties	2,700	3,200	12.3	11.3	33,100	36,000
East Central	38,500	34,600	8.7	10.9	336,400	376,100
Cottonwood	3,800	4,400	13.5	14.2	51,300	62,500
Jackson	1,900	2,700	15.4	16.5	29,300	44,600
Lincoln	7,400	6,600	10.3	13.8	76,200	91,100
Lyon	6,500	7,100	14.3	13.5	93,000	95,900
Murray	4,300	3,600	14.3	14.9	61,500	53,600
Nobles	4,100	4,600	14.3	15.4	58,700	70,800
Pipestone	8,100	5,300	11.8	12.9	95,600	68,400
Redwood	4,300	6,400	14.2	15.4	61,100	98,600
Rock	5,500	5,500	13.2	14.5	72,600	79,800
Southwest	45,900	46,200	13.1	14.4	599,300	665,300
Blue Earth	1,200	1,800	16.0	17.8	19,200	32,000
Brown	4,300	4,500	18.9	16.7	81,300	75,200
Freeborn	2,100	1,100	15.7	16.4	33,000	18,000
LeSueur	4,100	4,000	21.9	17.0	89,800	68,000
Nicollet	2,400	2,900	16.5	17.1	39,600	49,600
Rice	5,100	4,400	15.2	14.7	77,600	64,700
Steele	2,200	3,000	13.5	15.0	29,700	45,000
Waseca	1,600	1,300	13.8	13.3	22,000	17,300
Watonwan	1,200	1,400	13.9	16.3	16,700	22,800
Other Counties	1,900	2,800	16.3	14.6	31,200	40,800
South Central	26,100	27,200	16.9	15.9	440,100	433,400
Dakota	4,500	5,500	15.4	13.1	69,300	72,100
Dodge	1,900	3,500	15.4	15.4	29,300	53,900
Fillmore	8,400	8,700	18.9	19.1	158,800	166,200
Goodhue	9,900	8,900	16.2	16.7	160,400	148,600
Houston	7,400	5,700	15.3	17.2	113,200	98,000
Mower	2,500	4,800	15.5	15.4	38,800	73,900
Olmsted	6,200	6,500	15.9	14.7	98,600	95,600
Wabasha	7,000	6,600	16.3	17.5	114,100	115,500
Winona	9,200	6,700	13.8	15.5	127,000	103,900
Southeast	57,000	56,900	16.0	16.3	909,500	927,700
Minnesota	520,000	480,000	10.5	12.0	5,460,000	5,760,000

SOYBEANS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES MINNESOTA, 1989-90

District And County	Planted Acreage		Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	-Acres-		-Acres-		-Bushels-		-Bushels-	
Becker	36,200	29,100	35,100	27,900	21.0	29.0	737,100	809,100
Clay	75,300	61,300	74,100	60,400	22.0	26.0	1,630,200	1,570,400
Clearwater	1,000	1,100	900	1,000	17.0	25.0	15,300	25,000
Mahnomen	15,200	10,300	14,900	9,900	24.0	25.0	357,600	247,500
Marshall	16,600	4,100	16,100	3,900	14.0	13.0	225,400	50,700
Norman	54,100	33,400	53,500	32,500	19.0	27.0	1,016,500	877,500
Polk	34,300	17,100	34,000	16,100	19.0	23.0	646,000	370,300
Red Lake	4,900	2,800	4,800	2,600	22.0	23.0	105,600	59,800
Roseau	3,000	1,300	2,900	1,200	16.0	22.0	46,400	26,400
Other Counties	4,500	1,000	4,300	900	20.0	19.3	86,000	17,400
Northwest	245,100	161,500	240,600	156,400	20.2	25.9	4,866,100	4,054,100
North Central	2,200	1,900	2,200	1,900	19.5	23.8	42,900	45,200
Big Stone	77,700	78,400	77,100	76,300	34.0	34.0	2,621,400	2,594,200
Chippewa	105,800	103,700	104,900	101,500	32.0	41.0	3,356,800	4,161,500
Douglas	27,700	25,200	25,800	24,600	24.0	31.0	619,200	762,600
Grant	83,200	81,700	82,100	79,600	30.0	31.0	2,463,000	2,467,600
Lac Qui Parle	141,200	138,500	139,500	135,200	34.0	39.0	4,743,000	5,272,800
Otter Tail	58,200	55,100	57,500	54,100	33.0	32.0	1,897,500	1,731,200
Pope	49,700	47,100	49,500	46,300	32.0	33.0	1,584,000	1,527,900
Stevens	91,100	91,200	90,300	89,100	36.0	34.0	3,250,800	3,029,400
Swift	113,800	109,900	112,800	108,500	33.0	36.0	3,722,400	3,906,000
Traverse	102,400	98,200	101,300	96,500	35.0	33.0	3,545,500	3,184,500
Wilkin	122,400	102,000	121,400	99,600	24.0	23.0	2,913,600	2,290,800
Yellow Medicine	147,800	151,600	146,800	148,900	35.0	42.0	5,138,000	6,253,800
West Central	1,121,000	1,082,600	1,109,000	1,060,200	32.3	35.1	35,855,200	37,182,300
Benton	8,800	10,700	8,600	10,500	22.0	31.0	189,200	325,500
Carver	21,300	22,800	20,500	22,400	41.0	42.0	840,500	940,800
Kandiyohi	95,900	87,500	94,800	85,400	33.0	37.0	3,128,400	3,159,800
McLeod	71,300	71,400	71,000	70,300	40.0	38.0	2,840,000	2,671,400
Meeker	73,500	68,400	73,200	67,000	36.0	38.0	2,635,200	2,546,000
Renville	211,800	204,700	210,700	201,800	40.0	43.0	8,428,000	8,677,400
Scott	25,300	21,800	24,900	21,400	41.0	39.0	1,020,900	834,600
Sherburne	15,800	12,600	14,200	12,400	25.0	30.0	355,000	372,000
Sibley	109,900	105,100	108,900	103,700	41.0	42.0	4,464,900	4,355,400
Stearns	31,400	28,200	30,800	27,000	28.0	37.0	862,400	999,000
Todd	8,300	5,800	7,700	5,500	19.0	32.0	146,300	176,000
Wright	48,600	45,800	47,500	44,900	34.0	39.0	1,615,000	1,751,100
Other Counties	6,700	4,600	6,500	4,300	32.5	27.8	211,400	119,600
Central	728,600	689,400	719,300	676,600	37.2	39.8	26,737,200	26,928,600

SOYBEANS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES MINNESOTA, 1989-90 (CONTINUED)

District And County	Planted Acreage		Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	Acres		Acres		-Bushels-		-Bushels-	
Anoka	4,200	3,800	4,000	3,700	21.0	27.0	84,000	99,900
Chisago	13,000	12,600	12,900	12,000	25.0	28.0	322,500	336,000
Hennepin	8,400	8,100	8,200	8,000	35.0	39.0	287,000	312,000
Isanti	20,200	18,700	19,300	17,600	25.0	30.0	482,500	528,000
Kanabec	3,700	3,300	3,400	3,100	21.0	28.0	71,400	86,800
Mille Lacs	5,100	4,900	4,900	4,700	24.0	30.0	117,600	141,000
Pine	2,900	2,200	2,300	2,100	20.0	32.0	46,000	67,200
Washington	14,100	11,700	13,800	11,400	36.0	38.0	496,800	433,200
Other Counties	700	300	700	300	22.1	25.0	15,500	7,500
East Central	72,300	65,600	69,500	62,900	27.7	32.0	1,923,300	2,011,600
Cottonwood	161,400	148,700	160,500	146,600	40.0	43.0	6,420,000	6,303,800
Jackson	174,800	160,500	173,800	157,800	41.0	44.0	7,125,800	6,943,200
Lincoln	59,800	60,600	58,800	59,400	33.0	39.0	1,940,400	2,316,600
Lyon	138,800	140,600	137,700	138,200	35.0	40.0	4,819,500	5,528,000
Murray	147,300	133,600	146,500	130,300	37.0	39.0	5,420,500	5,081,700
Nobles	170,700	164,900	169,700	163,700	41.0	39.0	6,957,700	6,384,300
Pipestone	74,400	72,600	73,400	71,300	33.0	40.0	2,422,200	2,852,000
Redwood	216,800	208,500	215,600	204,400	38.0	44.0	8,192,800	8,993,600
Rock	98,100	95,700	97,500	94,400	40.0	38.0	3,900,000	3,587,200
Southwest	1,242,100	1,185,700	1,233,500	1,166,100	38.3	41.2	47,198,900	47,990,400
Blue Earth	164,400	152,400	163,400	150,600	43.0	41.0	7,026,200	6,174,600
Brown	126,600	124,000	125,800	121,100	42.0	42.0	5,283,600	5,086,200
Faribault	168,500	148,200	167,400	145,900	43.0	41.0	7,198,200	5,981,900
Freeborn	129,100	116,900	128,100	114,800	43.0	41.0	5,508,300	4,706,800
Le Sueur	63,200	57,900	62,300	55,700	43.0	40.0	2,678,900	2,228,000
Martin	186,800	172,200	185,400	169,700	43.0	44.0	7,972,200	7,466,800
Nicollet	92,700	86,200	91,300	84,500	44.0	44.0	4,017,200	3,718,000
Rice	39,400	34,200	38,400	33,600	43.0	43.0	1,651,200	1,444,800
Steele	62,400	58,600	61,300	56,200	41.0	40.0	2,513,300	2,248,000
Waseca	79,400	73,300	78,400	70,700	42.0	41.0	3,292,800	2,898,700
Watonwan	110,500	103,400	109,800	101,200	41.0	45.0	4,501,800	4,554,000
South Central	1,223,000	1,127,300	1,211,600	1,104,000	42.6	42.1	51,643,700	46,507,800
Dakota	51,200	48,500	51,100	47,300	40.0	41.0	2,044,000	1,939,300
Dodge	69,000	64,300	68,400	61,700	39.0	35.0	2,667,600	2,159,500
Fillmore	41,800	38,000	41,700	35,800	40.0	40.0	1,668,000	1,432,000
Goodhue	49,000	43,500	48,900	41,200	42.0	42.0	2,053,800	1,730,400
Houston	7,000	6,500	6,900	6,100	40.0	46.0	276,000	280,600
Mower	135,000	129,600	134,800	127,200	41.0	38.0	5,526,800	4,833,600
Olmsted	37,000	33,300	36,900	31,200	39.0	43.0	1,439,100	1,341,600
Wabasha	16,800	14,100	16,700	13,500	42.0	45.0	701,400	607,500
Winona	8,900	8,200	8,900	7,900	40.0	45.0	356,000	355,500
Southeast	415,700	386,000	414,300	371,900	40.0	39.5	16,732,700	14,680,000
Minnesota	5,050,000	4,700,000	5,000,000	4,600,000	37.0	39.0	185,000,000	179,400,000

ALL WHEAT: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90

District And County	Planted Acreage		Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	-Acres-		-Acres-		-Bushels-		-Bushels-	
Becker	61,000	68,700	59,000	66,500	43.9	60.0	2,589,200	3,987,700
Clay	182,300	204,900	177,600	202,000	37.2	55.6	6,606,000	11,229,500
Clearwater	9,800	8,700	9,400	7,600	38.5	46.5	362,100	353,200
Kittson	224,100	243,900	220,800	240,100	46.9	52.9	10,360,100	12,702,300
Mahnomen	47,500	50,600	47,000	48,200	41.0	58.2	1,929,300	2,806,600
Marshall	329,800	369,100	323,600	361,700	40.0	44.8	12,946,800	16,209,900
Norman	172,300	197,000	168,800	189,400	44.0	56.9	7,424,800	10,770,000
Pennington	82,900	98,000	81,500	94,800	40.0	48.9	3,263,500	4,636,000
Polk	384,100	429,000	373,400	416,200	38.0	47.8	14,206,800	19,890,700
Red Lake	61,700	68,100	60,800	64,400	42.2	48.7	2,568,500	3,135,800
Roseau	177,900	185,800	170,500	171,200	32.9	45.2	5,615,100	7,736,400
Northwest	1,733,400	1,923,800	1,692,400	1,862,100	40.1	50.2	67,872,200	93,458,100
Beltrami	6,600	7,800	6,200	7,400	34.9	42.0	216,200	310,800
Koochiching	1,900	2,400	1,900	2,200	36.0	34.4	68,400	75,600
Lake of the Woods	18,400	18,000	18,400	17,400	34.7	52.4	639,200	912,300
Other Counties	1,400	500	1,400	500	27.9	34.8	39,100	17,400
North Central	28,300	28,700	27,900	27,500	34.5	47.9	962,900	1,316,100
Northeast	100	100	100	100	28.0	33.0	2,800	3,300
Big Stone	64,200	66,500	62,700	65,500	31.0	47.6	1,942,300	3,120,200
Chippewa	48,300	45,500	47,700	45,000	33.8	45.5	1,611,000	2,049,000
Douglas	16,200	20,400	15,800	19,800	30.5	44.6	481,600	883,500
Grant	79,300	88,800	77,600	86,200	35.9	49.8	2,782,600	4,290,000
LacQuiParle	73,400	70,400	71,900	69,400	30.0	43.8	2,157,200	3,037,100
Otter Tail	63,100	67,100	61,900	64,400	33.7	49.4	2,086,600	3,181,200
Pope	24,300	26,200	24,000	25,400	37.8	47.7	907,200	1,211,200
Stevens	68,600	73,300	67,800	71,900	37.9	49.8	2,571,000	3,580,000
Swift	54,000	49,200	53,400	48,300	34.9	46.7	1,866,000	2,254,900
Traverse	109,500	120,900	106,800	117,000	38.0	47.6	4,058,800	5,565,300
Wilkin	126,600	143,400	124,800	139,900	32.0	45.6	3,993,600	6,375,100
Yellow Medicine	40,100	35,000	39,500	33,700	30.0	44.2	1,185,300	1,488,500
West Central	767,600	806,700	753,900	786,500	34.0	47.1	25,643,200	37,036,000
Carver	5,200	3,400	4,800	2,700	42.4	35.2	203,400	95,100
Kandiyohi	20,200	16,700	19,300	15,700	29.9	39.7	577,000	623,300
McLeod	12,800	11,500	12,100	9,300	39.0	33.6	471,900	312,300
Meeker	12,800	11,800	12,200	11,100	29.7	35.6	362,600	395,700
Renville	45,200	37,100	44,100	36,000	38.1	39.4	1,680,800	1,418,400
Scott	4,000	3,700	3,800	3,500	39.6	31.7	150,500	111,000
Sherburne	1,800	1,300	1,500	1,200	26.2	25.6	39,300	30,700
Sibley	14,800	12,000	14,100	11,700	39.9	34.1	562,900	399,000
Stearns	7,400	5,100	6,200	4,700	28.8	34.2	178,700	160,600
Todd	2,800	2,100	2,600	1,800	28.8	30.9	75,000	55,600
Wadena	1,500	1,300	1,300	900	30.5	34.3	39,600	30,900
Wright	3,000	3,700	2,800	3,400	34.0	36.5	95,100	124,100
Other Counties	1,500	800	1,400	800	26.9	30.8	37,600	24,600
Central	133,000	110,500	126,200	102,800	35.5	36.8	4,474,400	3,781,300
Hennepin	1,400	1,500	1,400	1,300	32.6	33.7	45,600	43,800
Washington	1,000	1,200	1,000	1,100	34.6	31.1	34,600	34,200
Other Counties	1,300	1,600	1,300	1,600	29.3	34.5	38,100	55,200
East Central	3,700	4,300	3,700	4,000	32.0	33.3	118,300	133,200

ALL WHEAT: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90 (CONT'D)

District And County	Planted Acreage		Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	-Acres-		-Acres-		-Bushels-		-Bushels-	
Cottonwood	2,900	1,900	2,700	1,700	31.0	30.0	83,700	51,000
Lincoln	17,300	16,700	16,500	16,200	31.9	36.6	526,400	593,100
Lyon	15,600	13,400	14,900	13,100	35.0	34.9	521,500	457,700
Murray	4,200	3,000	4,100	3,000	34.0	41.0	139,400	123,000
Nobles	2,100	1,900	1,900	1,800	33.4	34.7	63,500	62.400
Pipestone	4,000	3,600	3,900	3,500	33.0	36.0	128,700	126,000
Redwood	12,900	10,200	12,100	10,100	34.1	37.6	412,600	379,800
Other Counties	900	500	900	500	31.7	34.8	28,500	17,400
Southwest	59,900	51,200	57,000	49,900	33.4	36.3	1,904,300	1,810,400
Blue Earth	2,800	3,000	2,600	2,800	40.3	34.1	104,800	95,600
Brown	3,500	3,700	3,300	3,400	39.1	34.1	128,900	115,800
Faribault	1,200	1,000	1,100	1,000	39.1	37.4	43,000	37,400
LeSueur	8,200	7,800	8,000	6,600	42.2	34.6	337,900	228,200
Nicollet	4,400	4,900	4,200	4,400	41.3	37.2	173,400	163,600
Rice	2,300	1,700	2,300	1,500	44.3	26.7	102,000	40,000
Waseca	1,600	2,300	1,600	2,200	39.8	34.9	63,600	76,700
Other Counties	2,400	2,100	2,400	2,100	39.8	34.8	95,500	73,000
South Central	26,400	26,500	25,500	24,000	41.1	34.6	1,049,100	830,300
Dakota	7,000	4,600	6,800	4,600	38.8	28.2	264,000	129,700
Goodhue	1,500	1,200	1,500	1,200	38.0	31.4	57,000	37,700
Other Counties	4,100	2,400	4,000	2,300	39.0	36.5	155,800	83,900
Southeast	12,600	8,200	12,300	8,100	38.8	31.0	476,800	251,300
Minnesota	2,765,000	2,960,000	2,699,000	2,865,000	38.0	48.4	102,504,000	138,620,000

Photo by Janet Wieman

SPRING WHEAT: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90

District And County	Planted Acreage		Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	-Acres-		-Acres-		-Bushels-		-Bushels-	
Becker	56,500	64,600	54,800	63,600	44.0	61.0	2,411,200	3,879,600
Clay	173,100	197,600	170,400	196,100	37.0	56.0	6,304,800	10,981,600
Clearwater	8,000	5,700	7,900	5,500	39.0	52.0	308,100	286,000
Kittson	220,900	239,900	217,700	236,800	47.0	53.0	10,231,900	12,550,400
Mahnomen	43,300	47,200	42,900	46,200	41.0	59.0	1,758,900	2,725,800
Marshall	316,600	349,100	310,800	346,100	40.0	45.0	12,432,000	15,574,500
Norman	162,300	190,100	159,200	188,100	44.0	57.0	7,004,800	10,721,700
Pennington	80,800	95,700	80,000	94,200	40.0	49.0	3,200,000	4,615,800
Polk	357,300	408,600	348,200	405,500	38.0	48.0	13,231,600	19,464,000
Red Lake	55,000	63,900	54,500	63,200	42.2	49.0	2,289,000	3,096,800
Roseau	161,600	172,400	155,900	164,400	33.0	46.0	5,144,700	7,562,400
Northwest	1,635,400	1,834,800	1,602,300	1,809,700	40.1	50.5	64,317,000	91,458,600
Beltrami	6,500	7,800	6,100	7,400	35.0	42.0	213,500	310,800
Koochiching	1,900	2,300	1,900	2,100	36.0	36.0	68,400	75,600
Lake of the Woods	17,200	17,200	17,200	16,800	35.0	53.0	602,000	890,400
Other Counties	1,200	500	1,200	500	27.3	34.8	32,700	17,400
North Central	26,800	27,800	26,400	26,800	34.7	48.3	916,600	1,294,200
Northeast	100	100	100	100	28.0	33.0	2,800	3,300
Big Stone	62,500	65,100	61,300	64,100	31.0	48.0	1,900,300	3,076,800
Chippewa	47,200	44,000	46,700	43,500	34.0	46.0	1,587,800	2,001,000
Douglas	14,800	18,900	14,600	18,300	31.0	46.0	452,600	841,800
Grant	77,100	86,100	75,700	85,100	36.0	50.0	2,725,300	4,255,000
Lac Qui Parle	72,100	69,200	70,900	68,300	30.0	44.0	2,127,000	3,005,200
Otter Tail	56,600	61,100	56,000	60,100	34.0	51.0	1,904,000	3,065,100
Pope	23,600	25,800	23,400	25,000	38.0	48.0	889,200	1,200,000
Stevens	67,800	72,700	67,100	71,300	38.0	50.0	2,549,800	3,565,000
Swift	53,100	48,300	52,600	47,500	35.0	47.0	1,841,000	2,232,500
Traverse	105,200	117,500	103,100	114,500	38.0	48.0	3,917,800	5,496,000
Wilkin	122,600	138,500	121,300	135,500	32.0	46.0	3,881,600	6,233,000
Yellow Medicine	37,800	33,000	37,400	31,700	30.0	45.0	1,122,000	1,426,500
West Central	740,400	780,200	730,100	764,900	34.1	47.6	24,898,400	36,397,900
Kandiyohi	18,600	15,500	18,200	14,500	30.0	41.0	546,000	594,500
McLeod	9,200	6,800	9,000	4,800	39.0	36.0	351,000	172,800
Meeker	10,800	9,000	10,500	8,600	30.0	37.0	315,000	318,200
Renville	42,500	34,600	41,600	33,600	38.0	40.0	1,580,800	1,344,000
Scott	2,400	1,300	2,300	1,200	40.0	35.0	92,000	42,000
Sibley	11,800	8,500	11,500	8,200	39.0	35.0	448,500	287,000
Stearns	5,100	3,100	4,700	2,700	29.0	38.0	136,300	102,600
Wright	1,700	1,900	1,700	1,700	32.0	44.0	54,400	74,800
Other Counties	6,100	1,900	5,900	1,800	34.6	35.9	204,100	64,700
Central	108,200	82,600	105,400	77,100	35.4	38.9	3,728,100	3,000,600
East Central	3,100	2,800	3,100	2,500	29.9	36.2	92,800	90,600

SPRING WHEAT: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90 (CONT'D)

District And County	Planted Acreage		Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	-Acres-		-Acres-		-Bushels-		-Bushels-	
Cottonwood	2,900	1,800	2,700	1,700	31.0	30.0	83,700	51,000
Lincoln	16,800	16,000	16,100	15,500	32.0	37.0	515,200	573,500
Lyon	15,600	13,300	14,900	13,000	35.0	35.0	521,500	455,000
Murray	4,200	3,000	4,100	3,000	34.0	41.0	139,400	123,000
Nobles	1,800	1,700	1,700	1,600	33.0	35.0	56,100	56,000
Pipestone	4,000	3,600	3,900	3,500	33.0	36.0	128,700	126,000
Redwood	12,600	9,700	11,800	9,600	34.0	38.0	401,200	364,800
Other Counties	900	400	900	400	31.7	35.5	28,500	14,200
Southwest	58,800	49,500	56,100	48,300	33.4	36.5	1,874,300	1,763,500
Blue Earth	2,600	2,700	2,400	2,600	40.0	34.0	96,000	88,400
Brown	3,200	3,400	3,100	3,200	39.0	34.0	120,900	108,800
LeSueur	6,200	4,800	6,100	3,800	42.0	35.0	256,200	133,000
Nicollet	3,700	3,700	3,600	3,600	41.0	39.0	147,600	140,400
Waseca	1,500	2,200	1,500	2,100	40.0	35.0	60,000	73,500
Other Counties	3,900	2,800	3,900	2,800	40.8	35.9	159,300	100,500
South Central	21,100	19,600	20,600	18,100	40.8	35.6	840,000	644,600
Southeast	6,100	2,600	5,900	2,500	39.0	38.7	230,000	96,700
Minnesota	2,600,000	2,800,000	2,550,000	2,750,000	38.0	49.0	96,900,000	134,750,000

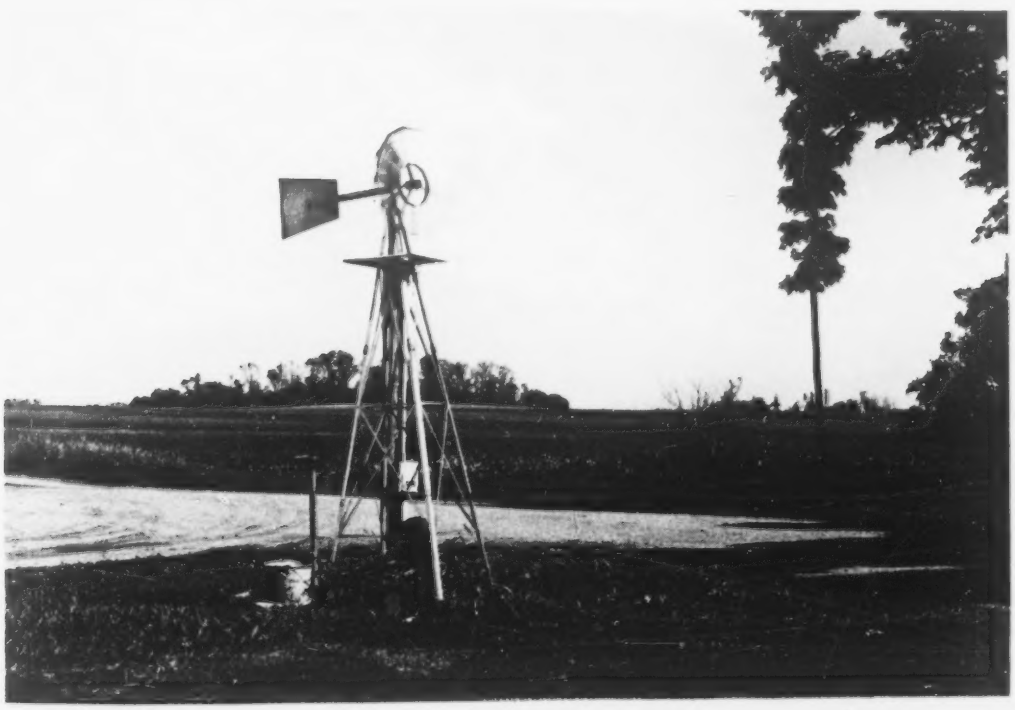


Photo by Janet Wieman

OATS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90

District And County	Planted Acreage		Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	-Acres-		-Acres-		-Bushels-		-Bushels-	
Becker	12,000	13,500	8,400	10,100	75.0	52.0	294,000	525,200
Clay	8,000	8,700	5,900	7,200	35.0	73.0	206,500	525,600
Clearwater	9,000	11,000	7,100	8,500	59.0	48.0	418,900	408,000
Kittson	13,000	9,400	7,500	5,400	53.0	61.0	397,500	329,400
Mahnomen	5,000	4,700	3,600	3,300	69.0	70.0	248,400	231,000
Marshall	21,000	16,200	15,800	12,900	55.0	72.0	869,000	928,800
Norman	6,000	7,200	4,400	5,300	70.0	74.0	308,000	392,200
Pennington	20,000	18,500	16,600	15,000	59.0	74.0	979,400	1,110,000
Polk	11,000	11,200	8,800	6,000	55.0	63.0	484,000	378,000
Red Lake	10,000	8,100	8,600	6,500	70.0	65.0	602,000	422,500
Roseau	30,000	30,900	24,600	24,700	58.0	67.0	1,426,800	1,654,900
Northwest	145,000	139,400	111,300	104,900	56.0	65.8	6,234,500	6,905,600
Beltrami	9,000	10,300	7,800	8,200	43.0	50.0	335,400	410,000
Cass	8,500	2,400	5,700	1,400	30.0	35.0	171,000	49,000
Lake of the Woods	7,000	4,700	5,800	4,100	59.0	59.0	342,200	241,900
Other Counties	7,000	4,400	5,200	3,100	40.8	44.3	212,400	137,200
North Central	31,500	21,800	24,500	16,800	43.3	49.9	1,061,000	838,100
St.Louis	3,000	1,800	2,700	1,100	43.0	47.0	116,100	51,700
Other Counties	1,000	---	700	---	41.6	---	29,100	---
Northeast	4,000	1,800	3,400	1,100	42.7	47.0	145,200	51,700
Big Stone	8,000	4,300	5,600	3,400	58.0	76.0	324,800	258,400
Chippewa	13,000	7,300	8,600	4,900	66.0	84.0	567,600	411,600
Douglas	33,000	40,500	27,700	29,900	54.0	70.0	1,495,800	2,093,000
Grant	6,000	4,000	5,000	2,900	70.0	82.0	350,000	237,800
Lac Qui Parle	16,000	6,100	9,800	2,800	55.0	79.0	539,000	221,200
Otter Tail	89,000	82,300	72,900	60,700	40.0	65.0	2,916,000	3,945,500
Pope	27,000	29,100	21,100	21,200	51.0	77.0	1,076,100	1,632,400
Stevens	8,000	5,200	5,600	3,800	79.0	83.0	442,400	315,400
Swift	13,000	8,800	9,800	4,900	61.0	85.0	597,800	416,500
Traverse	7,000	4,800	5,600	3,300	60.0	79.0	336,000	260,700
Wilkin	3,000	3,000	1,600	2,500	51.0	78.0	81,600	195,000
Yellow Medicine	18,000	7,100	9,600	3,400	51.0	75.0	489,600	255,000
West Central	241,000	202,500	182,900	143,700	50.4	71.3	9,216,700	10,242,500
Benton	25,000	16,900	20,000	13,000	41.0	57.0	820,000	741,000
Carver	13,000	13,700	9,400	9,200	77.0	60.0	723,800	552,000
Kandiyohi	23,000	21,200	15,400	14,300	54.0	76.0	831,600	1,086,800
McLeod	18,000	14,000	13,300	9,600	83.0	64.0	1,103,900	614,400
Meeker	15,000	15,500	10,400	9,000	51.0	61.0	530,400	549,000
Morrison	36,000	31,200	26,600	21,600	36.0	67.0	957,600	1,447,200
Renville	15,000	11,900	9,500	6,300	70.0	73.0	665,000	459,900
Scott	7,000	7,600	5,500	5,500	73.0	64.0	401,500	352,000
Sherburne	4,000	2,500	2,300	1,400	60.0	67.0	138,000	93,800
Sibley	15,000	11,800	8,600	7,000	72.0	60.0	619,200	420,000
Stearns	69,000	106,200	53,100	77,500	48.0	76.0	2,548,800	5,890,000
Todd	38,000	44,400	29,600	30,800	38.0	67.0	1,124,800	2,063,600
Wadena	17,000	9,400	13,300	7,300	30.0	52.0	399,000	379,600
Wright	19,000	19,400	14,300	12,200	64.0	59.0	915,200	719,800
Central	314,000	325,700	231,300	224,700	50.9	68.4	11,778,800	15,369,100

OATS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90 (CONT'D)

District And County	Planted Acreage		Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	-Acres-		-Acres-		-Bushels-		-Bushels-	
Aitkin	4,000	1,900	2,900	1,000	43.0	40.0	124,700	40,000
Carlton	3,000	2,200	1,500	1,300	43.0	40.0	64,500	52,000
Chisago	6,500	6,500	4,500	3,900	50.0	51.0	225,000	198,900
Crow Wing	9,000	6,300	5,400	4,100	30.0	53.0	162,000	217,300
Hennepin	5,000	4,000	3,600	2,700	59.0	51.0	212,400	137,700
Isanti	5,000	4,000	3,900	2,500	55.0	50.0	214,500	125,000
Kanabec	5,000	6,800	3,900	5,100	41.0	63.0	159,900	321,300
Mille Lacs	8,000	7,600	5,600	5,800	40.0	61.0	224,000	353,800
Pine	7,000	10,800	5,000	6,800	42.0	60.0	210,000	408,000
Washington	4,000	4,500	3,000	2,800	56.0	43.0	168,000	120,400
Other Counties	1,000	500	400	---	46.0	---	18,400	---
East Central	57,500	55,100	39,700	36,000	44.9	54.8	1,783,400	1,974,400
Cottonwood	6,000	5,000	2,000	1,700	51.0	70.0	102,000	119,000
Jackson	5,000	4,200	1,100	800	54.0	68.0	59,400	54,400
Lincoln	26,000	18,300	17,200	13,100	53.0	63.0	911,600	825,300
Lyon	15,000	15,200	7,700	7,500	53.0	71.0	408,100	532,500
Murray	15,000	8,600	7,200	4,300	61.0	73.0	439,200	313,900
Nobles	22,000	12,500	9,200	4,800	66.0	71.0	607,200	340,800
Pipestone	20,000	17,700	12,400	11,100	56.0	73.0	694,400	810,300
Redwood	24,000	9,500	10,800	3,900	57.0	63.0	615,600	245,700
Rock	18,000	9,100	9,500	4,300	65.0	66.0	617,500	283,800
Southwest	151,000	100,100	77,100	51,500	57.8	68.5	4,455,000	3,525,700
Blue Earth	9,000	4,200	3,400	800	67.0	59.0	227,800	47,200
Brown	22,000	14,900	13,400	9,200	64.0	68.0	857,600	625,600
Faribault	15,000	4,600	5,000	1,100	70.0	75.0	350,000	82,500
Freeborn	21,000	7,500	9,700	3,700	67.0	75.0	649,900	277,500
LeSueur	5,000	5,600	2,900	2,900	73.0	57.0	211,700	165,300
Martin	16,000	4,400	3,400	800	61.0	70.0	207,400	56,000
Nicollet	10,000	8,400	5,500	2,700	71.0	62.0	390,500	167,400
Rice	12,000	9,500	5,900	5,900	71.0	59.0	418,900	348,100
Steele	14,000	10,200	7,700	5,000	68.0	69.0	523,600	345,000
Waseca	6,000	4,300	2,300	2,000	71.0	69.0	163,300	138,000
Watonwan	11,000	2,700	5,200	900	53.0	72.0	275,600	64,800
South Central	141,000	76,300	64,400	35,000	66.4	66.2	4,276,300	2,317,400
Dakota	8,000	7,900	5,800	5,800	63.0	52.0	365,400	301,600
Dodge	11,000	9,700	7,700	6,100	68.0	59.0	523,600	359,900
Fillmore	25,000	29,800	19,300	21,800	67.0	61.0	1,293,100	1,329,800
Goodhue	26,000	30,500	18,500	19,300	71.0	54.0	1,313,500	1,042,200
Houston	13,000	19,700	9,900	12,000	67.0	64.0	663,300	768,000
Mower	24,000	13,700	10,800	6,900	67.0	64.0	723,600	441,600
Olmsted	20,000	18,000	15,000	12,400	67.0	64.0	1,005,000	793,600
Wabasha	17,000	25,000	12,400	16,300	69.0	58.0	855,600	945,400
Winona	21,000	23,000	16,000	15,700	66.0	62.0	1,056,000	973,400
Southeast	165,000	177,300	115,400	116,300	67.5	59.8	7,799,100	6,955,500
Minnesota	1,250,000	1,100,000	850,000	730,000	55.0	66.0	46,750,000	48,180,000

ALL HAY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90

District And County	Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990
	-Acres-		-Tons-		-Tons-	
Becker	51,500	47,600	1.8	2.4	93,100	115,100
Clay	17,000	14,700	1.9	2.6	32,900	38,300
Clearwater	50,500	46,300	2.1	1.7	107,400	80,500
Kittson	14,400	19,200	1.6	2.0	22,700	37,700
Mahnomen	15,100	14,600	2.0	2.0	29,900	28,500
Marshall	24,600	29,100	2.0	2.2	48,700	64,900
Norman	13,900	14,000	1.9	2.2	26,700	30,300
Pennington	22,800	28,900	2.2	2.5	49,500	71,000
Polk	30,600	33,400	1.7	2.0	52,900	68,300
Red Lake	21,400	25,600	2.0	2.1	42,700	53,800
Roseau	56,300	49,400	2.2	2.1	122,000	106,200
Northwest	318,100	322,800	2.0	2.2	628,500	694,600
Beltrami	61,900	55,800	2.2	1.7	134,400	94,400
Cass	49,900	40,200	1.5	1.5	74,600	60,200
Hubbard	31,800	28,400	1.5	1.3	46,900	37,100
Itasca	44,800	42,900	2.2	1.6	97,800	68,000
Koochiching	26,200	20,000	1.9	1.3	50,900	26,200
Lake of the Woods	15,100	19,000	2.5	1.8	38,100	34,200
North Central	229,700	206,300	1.9	1.6	442,700	320,100
St. Louis	78,600	62,200	1.6	1.2	127,000	77,700
Other Counties	3,800	3,100	1.8	1.6	6,700	5,000
Northeast	82,400	65,300	1.6	1.3	133,700	82,700
Big Stone	9,600	7,100	2.0	2.5	19,400	17,700
Chippewa	9,700	7,600	2.3	3.1	22,700	23,600
Douglas	32,600	30,700	2.3	2.8	75,600	84,600
Grant	10,900	7,800	1.9	2.2	21,100	17,300
Lac Qui Parle	12,200	10,200	2.2	2.9	26,600	29,400
Otter Tail	149,300	136,200	2.2	2.7	328,400	370,200
Pope	30,600	26,600	2.1	2.7	64,900	72,100
Stevens	6,800	6,400	2.7	2.8	18,600	17,900
Swift	12,100	10,600	2.6	3.0	31,700	32,200
Traverse	5,800	6,300	2.6	2.7	14,800	16,800
Wilkin	6,400	6,600	2.0	1.7	12,500	11,100
Yellow Medicine	19,300	14,000	2.3	3.3	44,400	45,700
West Central	305,300	270,100	2.2	2.7	680,700	738,600
Benton	32,700	27,800	2.0	2.7	65,000	75,000
Carver	27,900	27,300	4.6	4.1	128,800	111,000
Kandiyohi	28,300	24,800	2.3	3.2	66,100	78,900
McLeod	22,500	23,800	3.6	3.9	80,100	92,000
Meeker	24,400	22,500	3.6	3.9	87,800	86,900
Morrison	84,500	80,500	2.2	2.8	189,600	224,800
Renville	11,500	9,700	2.7	3.5	31,500	34,300
Scott	23,300	20,900	3.6	3.8	84,400	80,100
Sherburne	13,400	11,900	1.8	2.6	24,700	30,800
Sibley	22,800	20,800	4.0	3.8	90,700	79,500
Stearns	132,800	117,100	2.1	2.8	284,600	330,600
Todd	86,700	66,100	2.0	2.2	174,700	147,500
Wadena	48,100	39,200	1.8	1.6	86,800	64,600
Wright	45,500	40,900	2.9	3.5	132,900	142,900
Central	604,400	533,300	2.5	3.0	1,527,700	1,578,900

ALL HAY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90 (CONT'D)

District And County	Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990
	-Acres-		-Tons-		-Tons-	
Aitkin	59,000	52,400	2.2	1.5	130,400	77,500
Carlton	55,800	42,900	1.9	2.0	107,400	84,200
Chisago	22,100	21,100	2.6	3.2	58,500	67,500
Crow Wing	35,600	29,700	1.6	1.5	57,300	44,400
Hennepin	18,800	17,900	3.1	3.2	58,600	57,200
Isanti	20,100	15,000	2.1	2.6	42,600	39,100
Kanabec	42,700	37,100	2.2	2.4	94,800	88,400
Mille Lacs	35,700	35,100	2.5	2.6	88,700	92,400
Pine	90,200	80,000	2.3	2.1	204,000	170,600
Washington	21,300	22,300	2.5	3.0	53,700	67,200
Other Counties	14,800	12,300	2.3	2.2	34,300	26,500
East Central	416,100	365,800	2.2	2.2	930,300	815,000
Cottonwood	10,300	12,400	2.5	3.3	26,200	40,800
Jackson	8,200	9,300	2.6	2.6	21,100	24,300
Lincoln	27,200	20,600	1.6	2.8	44,000	57,800
Lyon	22,700	19,100	1.9	2.6	43,200	50,200
Murray	15,100	14,300	2.5	3.0	37,800	42,900
Nobles	14,700	14,900	3.3	3.2	48,300	47,900
Pipestone	18,300	17,000	2.1	3.0	38,800	50,400
Redwood	12,100	13,400	2.2	3.0	26,700	40,100
Rock	16,200	13,200	2.6	2.6	41,600	34,700
Southwest	144,800	134,200	2.3	2.9	327,700	389,100
Blue Earth	6,500	7,700	3.1	3.6	19,900	28,100
Brown	14,300	16,700	3.0	3.9	43,600	65,700
Faribault	7,100	7,100	3.1	3.4	22,300	24,000
Freeborn	11,100	11,600	3.4	3.8	37,200	43,500
LeSueur	14,000	16,100	2.8	3.2	39,500	50,900
Martin	8,000	9,100	3.1	3.5	24,800	32,100
Nicollet	8,800	10,400	3.3	3.8	28,600	39,400
Rice	24,600	21,600	3.1	3.7	75,600	79,200
Steele	11,800	12,600	3.2	3.5	38,100	44,200
Waseca	7,800	8,700	2.9	2.9	22,600	25,500
Watonwan	5,500	5,100	2.7	3.6	15,000	18,200
South Central	119,500	126,700	3.1	3.6	367,200	450,800
Dakota	17,300	17,600	3.2	3.6	54,900	63,200
Dodge	17,400	17,400	3.6	3.6	63,200	62,600
Fillmore	68,600	68,700	3.2	3.7	220,900	257,500
Goodhue	58,500	53,700	3.9	4.3	227,100	228,900
Houston	54,800	48,600	4.0	4.2	218,200	205,400
Mower	19,900	21,100	3.2	3.9	64,000	83,000
Olmsted	43,000	38,500	3.3	3.8	140,600	145,800
Wabasha	44,800	53,200	3.6	4.1	160,700	216,500
Winona	55,400	56,700	3.8	4.0	211,900	227,300
Southeast	379,700	375,500	3.6	4.0	1,361,500	1,490,200
Minnesota	2,600,000	2,400,000	2.5	2.7	6,400,000	6,560,000

ALFALFA HAY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90

District And County	Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990
	-Acres-		-Tons-		-Tons-	
Becker	37,700	36,200	1.7	2.6	64,100	93,000
Clay	12,400	11,600	1.5	2.8	18,600	32,700
Clearwater	36,400	34,600	2.1	1.9	76,400	64,000
Kittson	11,400	15,000	1.6	2.2	18,200	32,600
Mahnomen	13,400	12,400	1.9	2.0	25,500	24,700
Marshall	19,300	23,500	2.0	2.2	38,600	51,500
Norman	11,200	11,300	1.9	2.4	21,300	26,800
Pennington	15,000	21,000	2.0	2.6	30,000	54,600
Polk	20,700	24,800	1.7	2.2	35,200	53,600
Red Lake	14,500	18,400	1.8	2.2	26,100	40,100
Roseau	37,900	35,300	2.2	2.4	83,400	85,800
Northwest	229,900	244,100	1.9	2.3	437,400	559,400
Beltrami	39,800	34,300	2.1	1.9	83,600	65,200
Cass	13,300	11,400	1.2	2.1	16,000	24,300
Hubbard	11,900	9,100	1.6	1.9	19,000	17,000
Itasca	7,100	10,000	2.1	2.1	14,900	20,700
Koochiching	10,500	8,300	2.3	1.7	24,200	13,700
Lake of the Woods	9,100	13,400	2.6	1.9	23,700	26,000
North Central	91,700	86,500	2.0	1.9	181,400	166,900
Northeast	12,100	7,800	1.7	1.6	20,600	12,100
Big Stone	6,700	4,900	1.9	2.9	12,700	14,300
Chippewa	7,700	6,000	2.2	3.4	16,900	20,400
Douglas	27,100	24,600	2.2	2.8	59,600	69,400
Grant	9,600	6,400	1.9	2.2	18,200	14,300
Lac Qui Parle	7,800	6,800	2.4	3.5	18,700	23,800
Otter Tail	123,700	111,600	2.2	2.9	272,100	322,500
Pope	24,200	20,900	2.1	2.9	50,800	60,600
Stevens	5,700	5,200	2.9	3.1	16,500	15,900
Swift	7,900	7,200	2.1	3.1	16,600	22,300
Traverse	4,800	5,400	2.6	2.9	12,500	15,400
Wilkin	3,200	2,300	1.9	2.1	6,100	4,800
Yellow Medicine	12,900	10,000	2.1	3.5	27,100	35,000
West Central	241,300	211,300	2.2	2.9	527,800	618,700
Benton	18,500	16,000	1.9	3.1	35,200	50,100
Carver	23,600	22,800	4.8	4.3	113,300	97,400
Kandiyohi	23,500	20,900	2.3	3.4	54,100	71,300
McLeod	17,600	19,600	3.6	4.2	63,400	82,300
Meeker	20,300	18,800	3.8	4.2	77,100	78,000
Morrison	47,900	41,300	2.2	3.2	105,400	130,900
Renville	9,800	8,300	2.9	3.8	28,400	31,500
Scott	19,500	18,000	3.8	4.1	74,100	72,900
Sherburne	9,300	8,300	1.9	2.9	17,700	23,900
Sibley	18,200	15,300	4.3	4.3	78,300	65,800
Stearns	104,500	90,700	2.1	3.1	219,500	277,500
Todd	61,700	46,100	1.9	2.4	117,200	111,100
Wadena	22,900	18,200	1.7	2.0	38,900	35,700
Wright	36,500	33,700	3.0	3.7	109,500	125,700
Central	433,800	378,000	2.6	3.3	1,132,100	1,254,100

ALFALFA HAY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90 (CONT'D)

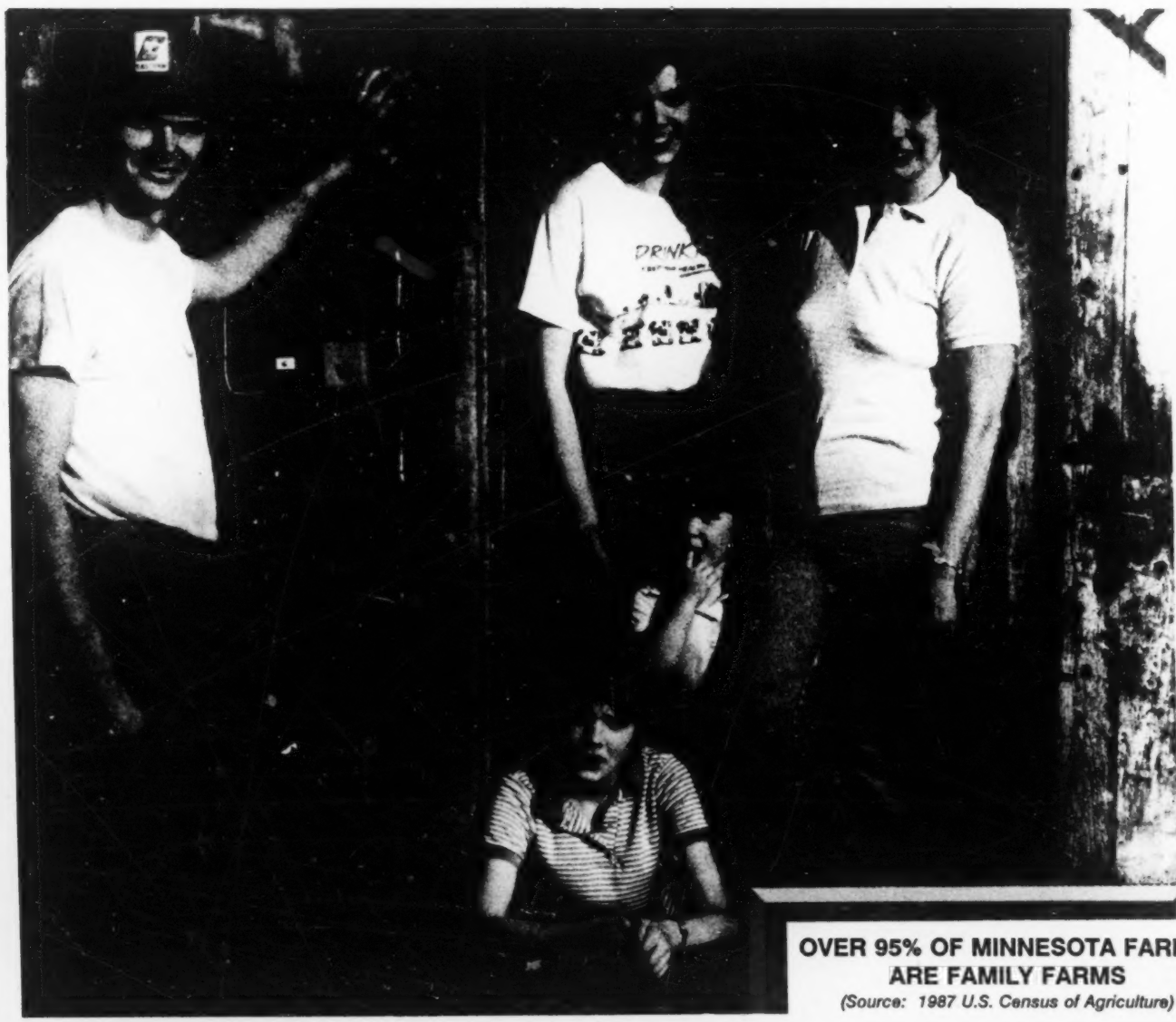
District And County	Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990
	-Acres-		-Tons-		-Tons-	
Anoka	10,700	7,900	2.1	2.0	22,500	15,600
Carlton	14,100	9,900	2.0	2.6	28,200	26,000
Chisago	16,900	15,500	2.6	3.4	43,900	53,000
Crow Wing	10,800	8,800	1.4	1.8	15,100	15,600
Hennepin	15,400	14,000	3.1	3.4	47,700	46,900
Isanti	14,600	10,700	2.2	2.9	32,100	30,900
Kanabec	15,500	12,900	1.9	2.9	29,500	37,400
Mille Lacs	15,100	15,100	2.6	3.2	39,300	48,300
Pine	24,300	19,400	2.7	3.3	65,600	63,800
Washington	17,200	18,000	2.6	3.3	44,700	59,200
Other Counties	7,100	6,300	2.3	1.8	16,000	11,200
East Central	161,700	138,500	2.4	2.9	384,600	407,900
Cottonwood	8,800	10,700	2.7	3.5	23,900	37,500
Jackson	5,700	6,200	2.8	3.2	16,100	19,900
Lincoln	22,800	16,600	1.6	3.0	36,500	49,800
Lyon	17,300	15,700	1.9	2.8	32,900	44,000
Murray	12,200	12,200	2.6	3.2	31,700	39,100
Nobles	11,600	11,600	3.6	3.6	41,800	41,600
Pipestone	13,300	12,500	2.2	3.3	29,300	41,300
Redwood	8,700	10,300	2.4	3.4	20,900	35,000
Rock	10,500	8,700	2.6	2.8	27,300	24,400
Southwest	110,900	104,500	2.3	3.2	260,400	332,600
Blue Earth	5,300	6,200	3.2	4.0	17,000	24,800
Brown	12,700	14,700	3.2	4.2	40,600	61,700
Faribault	5,000	5,100	3.5	3.9	17,500	19,800
Freeborn	9,200	9,400	3.4	4.0	31,300	37,600
LeSueur	11,000	13,100	2.8	3.4	30,800	44,500
Martin	6,500	7,200	2.9	3.9	18,900	28,100
Nicollet	7,100	8,700	3.5	4.1	24,900	35,700
Rice	20,700	18,800	3.2	3.9	66,200	73,100
Steele	9,900	10,900	3.4	3.7	33,700	40,800
Waseca	6,500	6,900	3.0	3.2	19,500	22,100
Watonwan	4,000	4,100	3.1	4.0	12,400	16,400
South Central	97,900	105,100	3.2	3.8	312,800	404,600
Dakota	13,500	14,500	3.3	3.8	44,600	55,400
Dodge	13,500	14,100	3.9	4.0	52,700	56,000
Fillmore	54,900	58,800	3.3	4.1	181,200	242,800
Goodhue	53,600	47,500	3.9	4.4	209,000	210,000
Houston	45,500	41,600	4.1	4.5	186,600	187,200
Mower	16,000	18,000	3.1	4.1	49,600	74,300
Olmsted	36,400	33,700	3.3	4.0	120,100	134,800
Wabasha	39,500	47,200	3.6	4.2	142,200	198,200
Winona	47,800	48,800	3.7	4.2	176,900	205,000
Southeast	320,700	324,200	3.6	4.2	1,162,900	1,363,700
Minnesota	1,700,000	1,600,000	2.6	3.2	4,420,000	5,120,000

BARLEY: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90

District And County	Planted Acreage		Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	-Acres-		-Acres-		-Bushels-		-Bushels-	
Becker	36,700	40,600	33,800	38,200	51.0	67.0	1,723,800	2,559,400
Clay	70,700	73,500	60,200	68,500	52.0	65.0	3,130,400	4,452,500
Clearwater	5,000	5,200	4,500	4,800	44.0	59.0	198,000	283,200
Kittson	58,700	36,400	47,600	34,200	68.0	64.0	3,236,800	2,188,800
Mahnomen	52,400	59,400	48,800	56,100	60.0	68.0	2,928,000	3,814,800
Marshall	105,000	68,000	85,000	63,800	58.0	59.0	4,930,000	3,764,200
Norman	100,300	110,200	88,900	104,800	60.0	66.0	5,334,000	6,916,800
Pennington	40,100	45,700	37,300	43,100	60.0	62.0	2,238,000	2,672,200
Polk	177,000	159,300	149,500	150,200	53.0	63.0	7,923,500	9,462,600
Red Lake	32,400	28,900	29,800	27,200	66.0	64.0	1,788,000	1,740,800
Roseau	59,600	50,500	52,500	46,900	55.0	62.0	2,887,500	2,907,800
Northwest	737,900	677,700	637,900	637,800	56.9	63.9	36,318,000	40,763,100
Beltrami	2,900	3,600	2,700	3,000	43.0	50.0	116,100	150,000
Hubbard	2,600	1,900	1,700	1,700	27.0	48.0	45,900	81,600
Koochiching	1,100	1,000	800	900	46.0	54.0	36,800	48,600
Lake of the Woods	4,900	4,300	4,700	3,800	38.0	60.0	178,600	228,000
Other Counties	400	600	400	600	48.0	43.3	19,200	26,000
North Central	11,900	11,400	10,300	10,000	38.5	53.4	396,600	534,200
Northeast	500	500	400	400	32.0	42.0	12,800	16,800
Big Stone	4,200	2,300	3,400	2,200	55.0	68.0	187,000	149,600
Douglas	3,400	4,500	2,900	4,000	51.0	55.0	147,900	220,000
Grant	24,400	22,200	21,700	21,100	51.0	62.0	1,106,700	1,308,200
Otter Tail	25,300	24,900	22,100	23,700	43.0	57.0	950,300	1,350,900
Pope	1,700	1,500	1,500	1,400	50.0	55.0	75,000	77,000
Stevens	12,500	11,500	10,900	10,900	59.0	65.0	643,100	708,500
Swift	1,800	1,800	1,500	1,600	55.0	57.0	82,500	91,200
Traverse	26,400	27,800	21,400	26,400	59.0	66.0	1,262,600	1,742,400
Wilkin	54,300	40,400	48,400	39,100	43.0	57.0	2,081,200	2,228,700
Other Counties	1,100	900	900	900	50.9	59.3	45,800	53,400
West Central	155,100	137,800	134,700	131,300	48.9	60.4	6,582,100	7,929,900
Stearns	4,600	5,400	3,700	4,500	44.0	60.0	162,800	270,000
Todd	4,700	5,900	4,000	5,500	25.0	59.0	100,000	324,500
Wadena	1,000	1,100	800	900	21.0	54.0	16,800	48,600
Other Counties	2,800	3,700	2,400	3,500	42.1	55.6	101,100	194,700
Central	13,100	16,100	10,900	14,400	34.9	58.2	380,700	837,800
East Central	1,300	1,300	1,200	1,300	37.0	53.2	44,400	69,100
Southwest	1,500	1,200	1,400	1,200	55.0	53.3	77,000	64,000
South Central	700	600	700	600	56.9	58.0	39,800	34,800
Southeast	3,000	3,400	2,500	3,000	59.4	50.1	148,600	150,300
Minnesota	925,000	850,000	800,000	800,000	55.0	63.0	44,000,000	50,400,000

FLAX: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES MINNESOTA, 1989-90

District And County	Planted Acreage		Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	-Acres-		-Acres-		-Bushels-		-Bushels-	
Kittson	1,300	1,200	1,100	1,000	10.0	15.0	11,000	15,000
Marshall	1,300	2,600	1,200	2,300	13.0	15.0	15,600	34,500
Roseau	4,000	9,100	3,700	8,700	10.0	18.3	37,000	159,300
Other Counties	2,300	1,900	2,100	1,800	10.4	14.0	21,900	25,200
Northwest	8,900	14,800	8,100	13,800	10.6	17.0	85,500	234,000
All Other Districts	1,100	200	900	200	10.6	20.0	9,500	4,000
Minnesota	10,000	15,000	9,000	14,000	10.5	17.0	95,000	238,000



OVER 95% OF MINNESOTA FARMS ARE FAMILY FARMS

(Source: 1987 U.S. Census of Agriculture)

RYE: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90

District And County	Planted Acreage		Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	-Acres-		-Acres-		-Bushels-		-Bushels-	
Marshall	1,700	1,500	1,000	700	40.0	37.0	40,000	25,900
Roseau	4,600	4,300	3,900	2,700	43.0	43.0	167,700	116,100
Other Counties	4,300	3,000	3,100	2,000	38.1	34.4	118,100	68,700
Northwest	10,600	8,800	8,000	5,400	40.7	39.0	325,800	210,700
North Central	2,100	1,800	1,500	900	35.3	28.2	53,000	25,400
Northeast	---	100	---	100	---	22.0	---	2,200
Otter Tail	3,200	3,000	1,000	600	31.0	33.0	31,000	19,800
Other Counties	5,000	3,700	2,300	2,000	36.7	27.2	84,400	54,300
West Central	8,200	6,700	3,300	2,600	35.0	28.5	115,400	74,100
Benton	2,900	2,700	2,100	1,200	33.0	35.0	69,300	42,000
Morrison	4,600	4,300	3,700	2,200	32.0	30.0	118,400	66,000
Sherburne	6,500	6,200	3,100	3,100	30.0	29.0	93,000	89,900
Stearns	4,600	4,200	500	2,400	27.0	30.0	13,500	72,000
Other Counties	4,100	4,200	1,800	2,200	34.4	30.3	62,000	66,600
Central	22,700	21,600	11,200	11,100	31.8	30.3	356,200	336,500
Anoka	2,500	2,300	500	1,100	29.0	26.0	14,500	28,600
Chisago	2,700	2,500	2,100	900	32.0	27.0	67,200	24,300
Isanti	3,900	3,700	2,400	1,300	23.0	27.0	55,200	35,100
Other Counties	3,800	4,200	2,400	2,000	32.9	23.2	78,900	46,300
East Central	12,900	12,700	7,400	5,300	29.2	25.3	215,800	134,300
Southwest	1,200	800	100	700	38.0	33.0	3,800	23,100
South Central	1,200	1,000	100	1,000	40.0	32.9	4,000	32,900
Southeast	1,100	1,500	400	900	35.0	32.0	14,000	28,800
Minnesota	60,000	55,000	32,000	28,000	34.0	31.0	1,088,000	868,000

POTATOES: ACREAGE, YIELD AND PRODUCTION BY COUNTIES, MINNESOTA, 1989-90

County	Planted Acreage		Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	-Acres-		-Acres-		-Cwt-		-Cwt-	
Clay	5,000	5,100	4,900	5,000	120	160	588,000	800,000
Kittson	3,800	4,200	3,700	4,100	130	140	481,000	574,000
Marshall	9,800	11,200	9,700	11,100	120	120	1,164,000	1,332,000
Norman	1,600	1,600	1,500	1,500	135	130	202,500	195,000
Polk	22,200	21,100	22,000	20,800	145	130	3,190,000	2,704,000
Sherburne	5,000	4,900	4,900	4,800	310	300	1,519,000	1,440,000
Freeborn	2,800	3,600	2,700	3,400	270	250	729,000	850,000
All Other Counties	23,200	23,500	22,900	23,400	344	351	7,876,500	8,215,000
Minnesota	73,400	75,200	72,300	74,100	218	217	15,750,000	16,110,000

SUGARBEETS: ACREAGE, YIELD AND PRODUCTION BY COUNTIES, MINNESOTA, 1989-90

County	Planted Acreage		Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	-Acres-		-Acres-		-Tons-		-Tons-	
Clay	52,200	58,000	52,100	57,200	16.8	15.5	877,000	884,000
Kittson	19,800	22,900	19,800	22,800	15.2	13.4	301,800	305,000
Marshall	24,200	25,500	24,200	25,500	13.6	12.9	328,000	328,000
Norman	29,600	32,700	29,500	32,300	16.9	16.1	499,500	521,500
Polk	97,400	103,100	97,400	103,100	12.1	11.3	1,182,000	1,163,000
Chippewa	24,900	27,800	24,700	26,900	19.0	19.1	470,500	512,500
Grant	6,400	7,400	6,300	7,300	17.8	20.0	112,000	146,000
Otter Tail	1,400	1,100	1,400	1,100	16.3	19.5	22,800	21,500
Swift	5,300	6,100	5,200	5,900	18.4	19.1	95,600	112,500
Traverse	6,700	6,100	6,700	6,100	17.6	16.4	117,600	100,000
Wilkin	27,900	28,400	27,800	28,100	17.2	16.8	478,200	471,500
Yellow Medicine	2,000	1,900	2,000	1,900	19.7	18.4	39,300	35,000
Kandiyohi	6,500	7,800	6,500	7,600	19.9	18.0	129,300	137,000
Renville	29,300	31,100	29,200	30,400	21.9	17.0	639,800	516,500
Sibley	1,500	2,200	1,500	2,200	23.3	17.0	34,900	37,500
Redwood	1,900	1,700	1,700	1,600	19.8	15.9	33,700	25,500
All Other Counties	5,000	4,200	5,000	4,000	18.8	17.5	94,000	70,000
Minnesota	342,000	368,000	341,000	364,000	16.0	14.8	5,456,000	5,387,000

Minnesota...

The Nation's #1 Producer of Sugarbeets

DRY EDIBLE BEANS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90

District And County	Planted Acreage		Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	-Acres-		-Acres-		-Pounds-		-Cwt-	
Becker	1,200	2,600	900	2,500	800	1,200	7,200	30,000
Clay	3,000	3,600	2,600	3,500	700	900	18,200	31,500
Kittson	1,200	1,100	1,000	1,000	1,000	1,000	10,000	10,000
Marshall	9,300	12,400	7,600	11,200	800	700	60,800	78,400
Norman	3,100	5,200	2,900	5,100	600	800	17,400	40,800
Polk	19,000	11,000	15,100	10,900	800	800	120,800	87,200
Other Counties	1,100	900	1,000	800	710	700	7,100	5,600
Northwest	37,900	36,800	31,100	35,000	777	810	241,500	283,500
Hubbard	5,000	9,200	4,600	9,100	1,600	1,600	73,600	145,600
Other Counties	500	500	400	400	1,400	1,100	5,600	4,400
North Central	5,500	9,700	5,000	9,500	1,584	1,579	79,200	150,000
Big Stone	200	4,600	200	4,600	1,700	1,300	3,400	59,800
Chippewa	1,200	3,800	1,000	3,800	1,700	1,800	17,000	68,400
Douglas	500	1,700	400	1,600	1,000	1,200	4,000	19,200
Grant	1,000	8,300	900	8,200	1,100	1,100	9,900	90,200
Lac Qui Parle	300	1,800	200	1,800	1,800	1,700	3,600	30,600
Otter Tail	7,600	16,400	7,300	16,100	1,500	1,600	109,500	257,600
Pope	500	1,200	400	1,200	1,300	1,500	5,200	18,000
Stevens	2,800	2,000	2,500	2,000	2,100	1,600	52,500	32,000
Swift	3,100	8,500	2,200	8,400	1,800	1,000	39,600	84,000
Traverse	1,300	3,400	1,000	3,400	1,400	1,100	14,000	37,400
Wilkin	1,100	6,000	1,000	5,900	1,100	1,100	11,000	64,900
Yellow Medicine	1,400	1,300	1,100	1,300	2,100	1,900	23,100	24,700
West Central	21,000	59,000	18,200	58,300	1,609	1,350	292,800	786,800
Benton	1,500	1,000	1,300	1,000	2,000	1,600	26,000	16,000
Kandiyohi	1,000	4,400	800	3,900	1,800	1,900	14,400	74,100
McLeod	700	1,800	700	1,700	2,400	1,600	16,800	27,200
Meeker	500	1,700	400	1,600	2,100	2,000	8,400	32,000
Morrison	1,000	2,000	900	2,000	1,900	1,500	17,100	30,000
Renville	5,000	12,400	4,700	12,200	2,100	1,600	98,700	195,200
Sherburne	200	1,600	200	1,600	1,600	1,900	3,200	30,400
Stearns	1,000	1,700	800	1,700	1,800	1,400	14,400	23,800
Todd	1,600	1,500	1,400	1,500	1,700	1,900	23,800	28,500
Wadena	1,300	3,000	1,100	3,000	1,200	1,500	13,200	45,000
Other Counties	400	900	400	800	1,800	1,362	7,200	10,900
Central	14,200	32,000	12,700	31,000	1,915	1,615	243,200	513,100
East Central	200	---	200	---	1,400	---	2,800	---
Southwest	1,800	1,000	1,600	800	1,781	1,563	28,500	12,500
South Central	800	1,000	700	900	1,757	1,489	12,300	13,400
Southeast	600	500	500	500	1,940	1,740	9,700	8,700
Minnesota	82,000	140,000	70,000	136,000	1,300	1,300	910,000	1,768,000

ALL SUNFLOWERS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90

District And County	Planted Acreage		Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	-Acres-		-Acres-		-Pounds-		-Pounds-	
Clay	2,800	4,800	2,800	4,800	1,507	1,656	4,220,000	7,950,000
Kittson	11,400	12,700	11,000	12,600	1,557	1,740	17,130,000	21,920,000
Marshall	11,500	13,000	11,100	12,800	1,372	1,471	15,230,000	18,830,000
Pennington	11,800	16,600	11,600	16,300	1,509	1,662	17,510,000	27,082,500
Polk	13,300	25,200	13,000	24,800	1,200	1,522	15,600,000	37,735,000
Red Lake	4,700	11,800	4,700	11,100	1,500	1,755	7,050,000	19,485,000
Roseau	5,100	14,800	4,500	14,800	1,200	1,786	5,400,000	26,430,000
Other Counties	1,000	10,600	1,000	10,400	1,610	1,843	1,610,000	19,162,500
Northwest	61,600	109,500	59,700	107,600	1,403	1,660	83,750,000	178,595,000
North Central	900	2,700	900	2,600	1,067	1,404	960,000	3,650,000
Wilkin	3,400	16,100	3,300	16,100	1,461	1,534	4,820,000	24,695,000
Other Counties	2,100	10,800	2,100	10,800	1,495	1,647	3,140,000	17,790,000
West Central	5,500	26,900	5,400	26,900	1,474	1,579	7,960,000	42,485,000
All Other Districts	2,000	900	2,000	900	1,265	1,383	2,530,000	1,245,000
Minnesota	70,000	140,000	68,000	138,000	1,400	1,638	95,200,000	225,975,000

OIL SUNFLOWERS: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90

District And County	Planted Acreage		Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	-Acres-		-Acres-		-Pounds-		-Pounds-	
Clay	2,000	4,600	2,000	4,600	1,550	1,650	3,100,000	7,590,000
Kittson	5,200	2,600	5,100	2,600	1,450	1,700	7,395,000	4,420,000
Marshall	5,700	5,500	5,600	5,400	1,500	1,500	8,400,000	8,100,000
Pennington	7,000	9,000	6,900	8,800	1,550	1,650	10,695,000	14,520,000
Polk	7,300	10,900	7,200	10,700	1,200	1,550	8,640,000	16,585,000
Red Lake	4,700	6,100	4,700	5,900	1,500	1,650	7,050,000	9,735,000
Roseau	5,100	9,600	4,500	9,600	1,200	1,900	5,400,000	18,240,000
Other Counties	900	4,900	900	4,700	1,611	1,774	1,450,000	8,340,000
Northwest	37,900	53,200	36,900	52,300	1,413	1,674	52,130,000	87,530,000
North Central	900	2,700	900	2,600	1,067	1,404	960,000	3,650,000
Wilkin	2,300	9,000	2,300	9,000	1,400	1,600	3,220,000	14,400,000
Other Counties	1,900	4,200	1,900	4,200	1,453	1,673	2,760,000	7,025,000
West Central	4,200	13,200	4,200	13,200	1,424	1,623	5,980,000	21,425,000
All Other Districts	2,000	900	2,000	900	1,265	1,383	2,530,000	1,245,000
Minnesota	45,000	70,000	44,000	69,000	1,400	1,650	61,600,000	113,850,000

SWEET CORN FOR PROCESSING: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90

District And County	Planted Acreage		Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	-Acres-		-Acres-		-Tons-		-Tons-	
North Central	---	700	---	700	---	5.14	---	3,600
West Central	1,600	2,200	1,600	2000	6.00	6.10	9,580	12,200
Kandiyohi	2,600	2,000	2,400	2,000	6.00	6.30	14,400	12,600
McLeod	5,200	6,500	5,000	6,000	5.90	5.30	29,500	31,800
Meeker	1,900	2,400	1,800	2,300	6.50	5.30	11,700	12,190
Renville	13,100	17,600	12,500	15,400	6.00	5.80	75,000	89,320
Sherburne	1,800	2,200	1,700	2,000	6.00	5.90	10,200	11.800
Sibley	6,000	7,500	5,700	7,200	6.10	6.10	34,770	43,920
Stearns	1,200	1,500	1,100	1,400	6.10	4.90	6,710	6,860
Wright	1,000	1,200	1,000	1,100	6.00	6.40	6,000	7,040
Other Counties	500	600	500	500	6.40	6.20	3,200	3,100
Central	33,300	41,500	31,700	37,900	6.00	5.77	191,480	218,630
East Central	500	100	500	100	5.90	6.00	2,970	600
Redwood	4,300	5,500	4,100	5,200	6.10	6.30	25,010	32,750
Other Counties	100	---	100	---	5.90	---	590	---
Southwest	4,400	5,500	4,200	5,200	6.10	6.30	25,600	32,750
Blue Earth	3,000	3,700	2,900	2,400	6.50	5.70	18,850	13,680
Brown	4,100	5,100	3,700	4,900	6.50	6.20	24,050	30,380
Faribault	6,800	8,500	6,600	7,700	6.00	6.00	39,600	46,200
Freeborn	2,000	2,500	1,900	2,300	6.10	6.30	11,590	14,490
LeSueur	2,500	3,100	2,300	2,900	6.00	5.60	13,800	16,240
Martin	4,000	5,000	3,700	4,700	6.10	6.80	22,570	31,960
Nicollet	2,400	3,000	2,200	2,600	6.50	5.50	14,300	14,300
Steele	1,800	2,200	1,700	2,100	6.50	5.80	11,050	12,180
Waseca	3,500	4,400	3,400	4,100	5.90	5.50	20,060	22,550
Other Counties	2,200	2,700	2,100	2,500	6.00	5.90	12,540	14,750
South Central	32,300	40,200	30,500	36,200	6.20	5.99	188,410	216,730
Dakota	4,700	5,700	4,500	5,600	6.00	6.10	27,000	34,160
Dodge	14,100	17,500	13,100	16,900	6.00	5.30	78,600	89,570
Goodhue	8,700	10,900	8,300	9,900	6.40	5.80	53,120	57,420
Mower	5,600	6,900	5,200	6,800	6.10	5.20	31,720	35,360
Olmsted	3,000	3,600	2,900	3,500	6.00	5.80	17,400	20,300
Wabasha	3,400	4,200	3,300	4,100	5.90	6.20	19,470	25,420
Other Counties	900	1,100	900	1,100	6.10	5.20	5,520	5,960
Southeast	40,400	49,900	38,200	47,900	6.10	5.60	232,830	268,190
Minnesota	112,500	140,100	106,700	130,000	6.10	5.79	650,870	752,700

GREEN PEAS FOR PROCESSING: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90

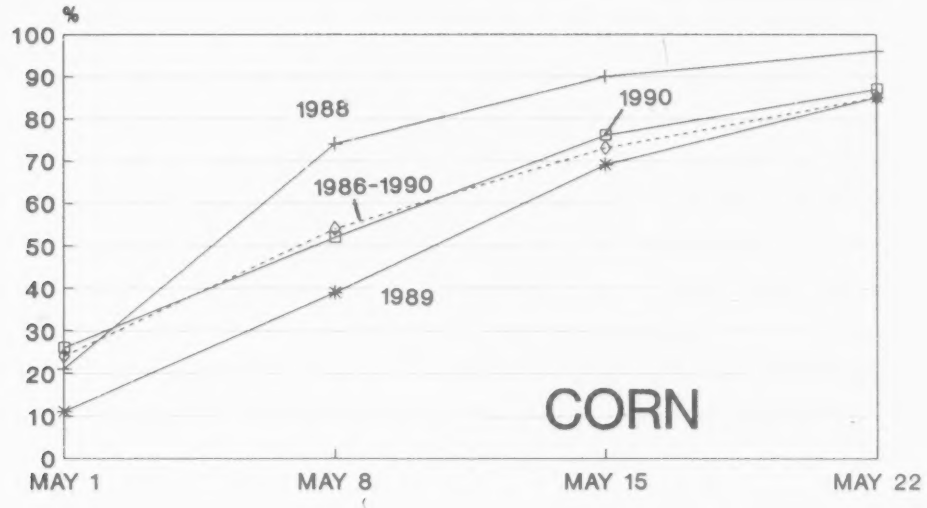
District And County	Planted Acreage		Harvested Acreage		Yield Per Harv. Acre		Production	
	1989	1990	1989	1990	1989	1990	1989	1990
	-Acres-		-Acres-		-Tons-		-Tons-	
Kandiyohi	1,600	1,800	1,500	1,500	1.40	1.10	2,100	1,650
McLeod	2,800	3,200	2,600	2,500	1.50	1.20	3,900	3,000
Meeker	2,300	2,600	2,100	2,300	1.30	1.30	2,730	2,990
Renville	12,800	14,500	11,500	13,500	1.40	1.30	16,100	17,550
Sibley	4,300	4,900	3,900	4,800	1.50	1.20	5,850	5,760
Other Counties	1,700	1,900	1,700	1,700	1.64	1.25	2,790	2,120
Central	25,500	28,900	23,300	26,300	1.40	1.26	33,470	33,070
East Central	200	200	200	200	1.60	1.20	320	240
Redwood	4,400	5,000	4,000	4,700	1.50	1.40	6,000	6,580
Southwest	4,400	5,000	4,000	4,700	1.50	1.40	6,000	6,580
Blue Earth	2,400	2,700	2,200	2,200	1.50	1.50	3,300	3,300
Brown	3,000	3,400	2,700	3,100	1.70	1.50	4,590	4,650
Faribault	5,900	6,700	5,500	6,400	1.50	1.30	8,250	8,320
Freeborn	1,400	1,600	1,300	1,300	1.60	1,20	2,080	1,560
LeSueur	3,000	3,400	2,700	3,300	1.50	1.20	4,050	3,960
Martin	2,500	2,800	2,300	2,400	1.50	1.30	3,450	3,120
Nicollet	4,000	4,500	3,800	4,000	1.60	1.20	6,080	4,800
Steele	1,500	1,700	1,400	1,700	1.70	1.20	2,380	2,040
Waseca	2,900	3,300	2,600	2,900	1.50	1.30	3,900	3,770
Watonwan	1,100	1,300	1,000	1,300	1.00	1.20	1,000	1,560
Other Counties	600	700	600	700	1.30	1.20	780	840
South Central	28,300	32,100	26,100	29,300	1.50	1.29	39,860	37,920
Dakota	2,000	2,300	1,700	2,300	1.40	1.30	2,380	2,990
Dodge	3,800	4,300	3,500	4,300	1.70	1.30	5,950	5,590
Goodhue	5,200	5,900	4,700	5,400	1.60	1.50	7,520	8,100
Mower	5,200	5,900	4,700	5,900	1.90	1.60	8,930	9,440
Olmsted	3,000	3,400	2,800	3,000	1.50	1.50	4,200	4,500
Wabasha	2,400	2,700	2,200	2,500	1.80	1.60	3,960	4,000
Other Counties	500	800	500	800	1.90	1.34	910	1,070
Southeast	22,100	25,300	20,100	24,200	1.70	1.47	33,850	35,690
Minnesota	80,500	91,500	73,700	84,700	1.54	1.34	113,500	113,500

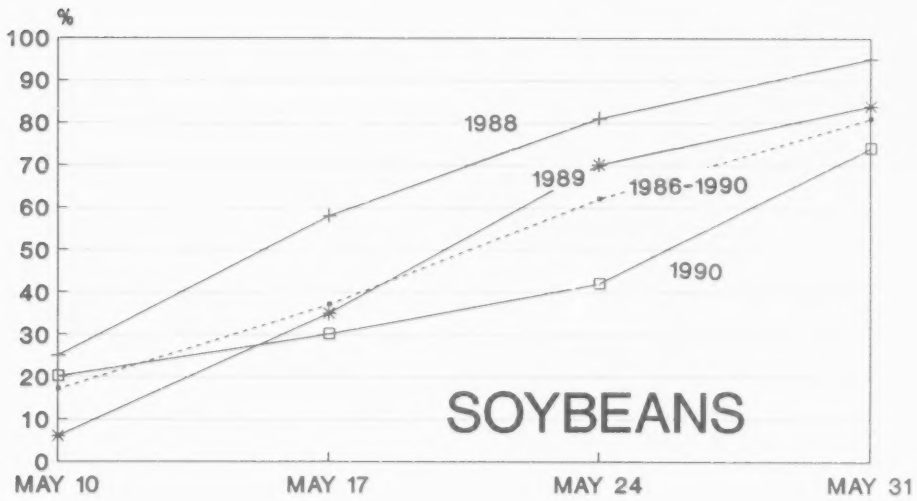
AVERAGE COMPLETION DATES FOR MINNESOTA PLANTING AND HARVESTING

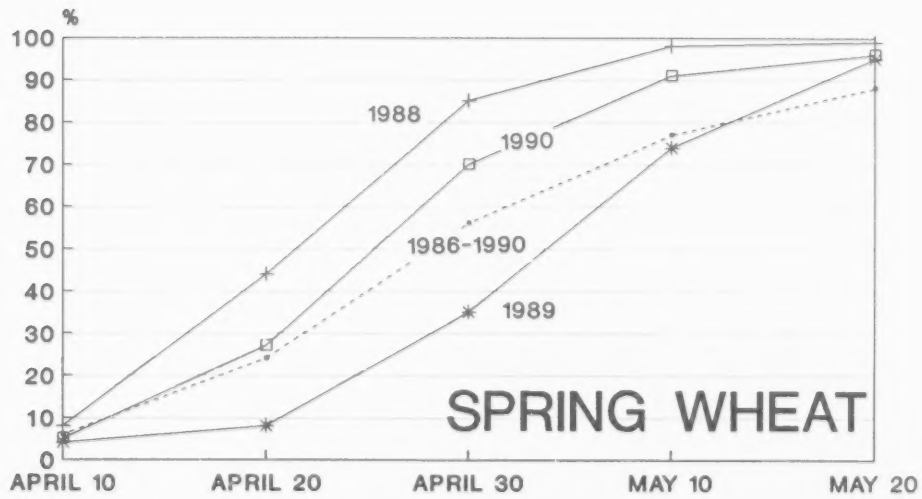
Crop and Year	Date *PLANTING* Completed					Date *HARVESTING* Completed				
	-Percent-					-Percent-				
	10	25	50	75	90	10	25	50	75	90
CORN:										
1990	Apr. 24	May 1	May 8	May 15	May 24	Oct. 6	Oct. 13	Oct. 21	Oct. 31	Nov. 8
1989	May 1	May 7	May 11	May 17	May 25	Oct. 5	Oct. 9	Oct. 17	Oct. 23	Oct. 28
1986-90	Apr. 27	May 2	May 8	May 16	May 25	Sep. 28	Oct. 7	Oct. 17	Oct. 27	Nov. 6
SOYBEANS:										
1990	May 2	May 15	May 27	June 1	June 8	Sep. 27	Oct. 1	Oct. 6	Oct. 12	Oct. 18
1989	May 12	May 15	May 20	May 27	June 3	Sep. 25	Sep. 29	Oct. 4	Oct. 6	Oct. 12
1986-90	May 6	May 13	May 21	May 29	June 5	Sep. 21	Sep. 28	Oct. 4	Oct. 12	Oct. 21
SPRING WHEAT:										
1990	Apr. 14	Apr. 19	Apr. 25	May 3	May 10	Aug. 2	Aug. 6	Aug. 11	Aug. 16	Aug. 23
1989	Apr. 22	Apr. 28	May 3	May 11	May 16	July 29	Aug. 1	Aug. 7	Aug. 15	Aug. 19
1986-90	Apr. 14	Apr. 21	Apr. 28	May 9	May 22	July 26	Aug. 2	Aug. 9	Aug. 16	Aug. 29
OATS:										
1990	Apr. 10	Apr. 16	Apr. 22	Apr. 29	May 8	July 28	July 31	Aug. 6	Aug. 13	Aug. 17
1989	Apr. 8	Apr. 19	Apr. 28	May 8	May 15	July 24	July 27	July 31	Aug. 5	Aug. 13
1986-90	Apr. 8	Apr. 15	Apr. 24	May 5	May 16	July 15	July 24	Aug. 1	Aug. 9	Aug. 17
BARLEY:										
1990	Apr. 19	Apr. 24	Apr. 30	May 4	May 14	July 25	July 29	Aug. 1	Aug. 8	Aug. 15
1989	Apr. 26	May 3	May 9	May 14	May 18	July 26	July 30	Aug. 3	Aug. 8	Aug. 12
1986-90	Apr. 17	Apr. 24	May 2	May 12	May 23	July 24	July 29	Aug. 3	Aug. 11	Aug. 20
FLAX:										
1990	May 7	May 12	May 19	May 25	May 29	Aug. 25	Sep. 1	Sep. 7	Sep. 14	Sep. 28
1989	May 13	May 17	May 25	June 2	June 7	Aug. 27	Sep. 1	Sep. 8	Sep. 22	Oct. 7
1986-90	May 5	May 13	May 21	May 30	June 6	Aug. 22	Aug. 28	Sep. 8	Sep. 20	Oct. 8
SUNFLOWERS:										
1990	May 12	May 15	May 20	May 26	May 31	Sep. 28	Oct. 1	Oct. 8	Oct. 15	Oct. 18
1989	May 13	May 17	May 28	June 2	June 7	Oct. 2	Oct. 5	Oct. 11	Oct. 13	Oct. 19
1986-90	May 7	May 13	May 22	June 1	June 5	Sep. 22	Oct. 3	Oct. 12	Oct. 19	Oct. 28
ALFALFA HAY: 1/										
1990						June 10	June 17	June 25	June 30	July 6
1989						June 4	June 9	June 14	June 22	July 3
1986-90						June 1	June 7	June 13	June 21	June 29
WINTER WHEAT:										
1990	Aug. 27	Sep. 2	Sep. 7	Sep. 16	Oct. 3	July 22	July 28	July 31	Aug. 6	Aug. 12
1989	Aug. 26	Sep. 1	Sep. 8	Sep. 19	Sep. 26	July 18	July 23	July 26	July 31	Aug. 5
1986-90	Aug. 25	Aug. 31	Sep. 7	Sep. 16	Sep. 28	July 12	July 19	July 26	Aug. 2	Aug. 10
RYE:										
1990	Aug. 26	Sep. 2	Sep. 9	Sep. 19	Sep. 29	July 23	July 29	Aug. 4	Aug. 9	Aug. 15
1989	Aug. 25	Aug. 31	Sep. 7	Sep. 18	Sep. 27	July 20	July 22	July 26	July 30	Aug. 6
1986-90	Aug. 22	Aug. 31	Sep. 7	Sep. 17	Sep. 29	July 12	July 18	July 26	Aug. 4	Aug. 10
SUGARBEETS:										
1990	Apr. 18	Apr. 22	Apr. 27	May 3	May 10	Oct. 1	Oct. 7	Oct. 10	Oct. 14	Oct. 20
1989	Apr. 26	Apr. 30	May 7	May 12	May 16	Oct. 1	Oct. 8	Oct. 13	Oct. 14	Oct. 18
1986-90	Apr. 18	Apr. 23	Apr. 30	May 10	May 19	Sep. 28	Oct. 5	Oct. 9	Oct. 14	Oct. 18

1/ First cutting.

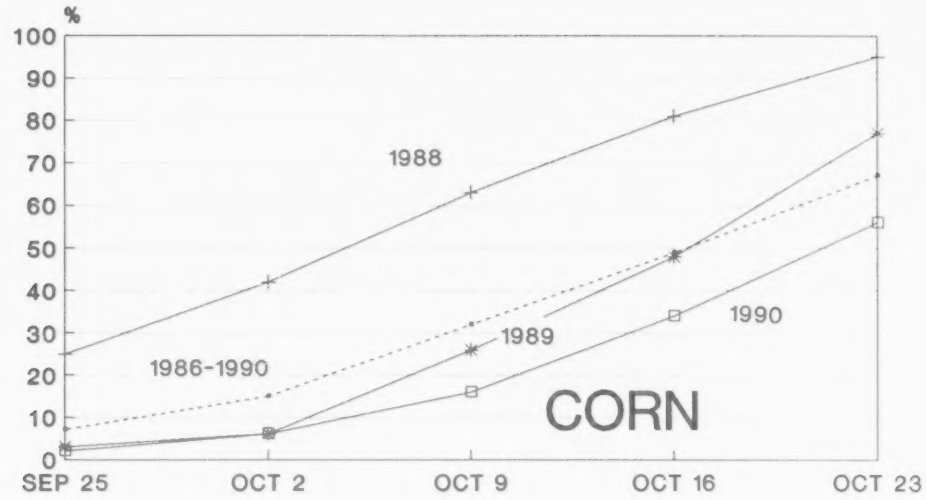
MINNESOTA PLANTING PROGRESS

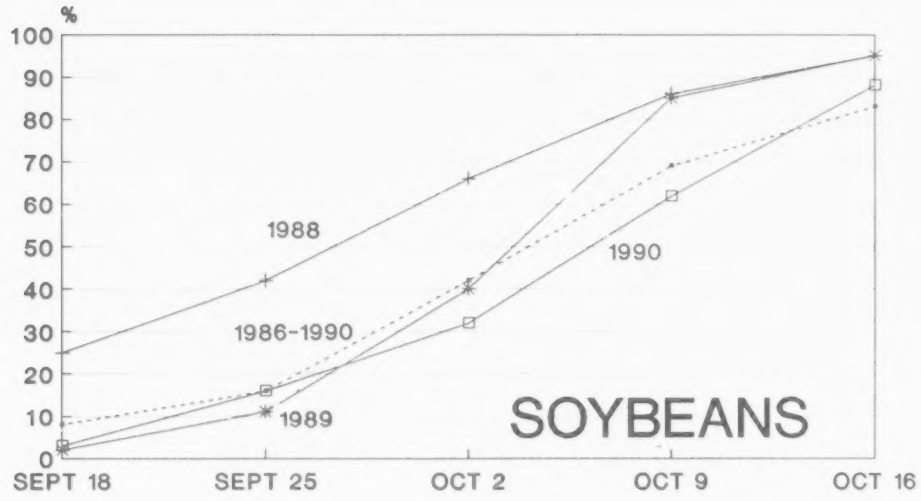


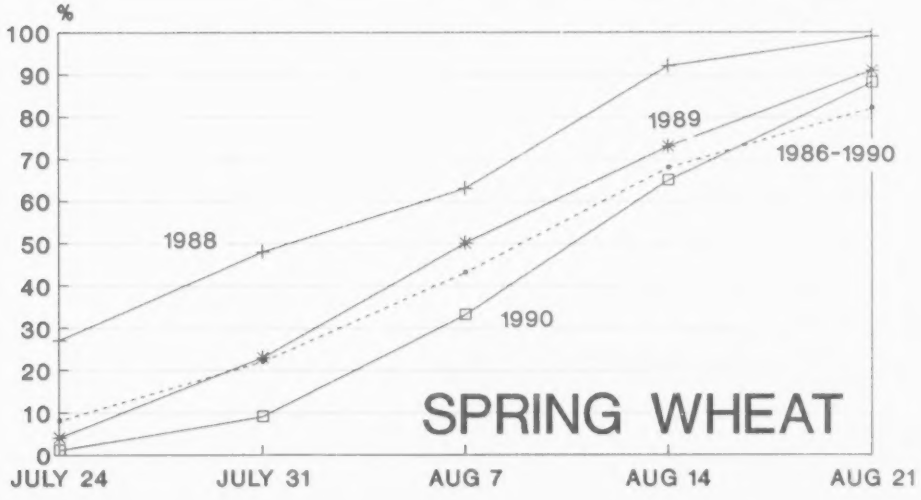




MINNESOTA HARVESTING PROGRESS







MINNESOTA GRAIN AND HAY STOCKS

Year	-- On Farms -- March	June	Sept.	Dec.	-- All Storage Positions -- March	June	Sept.	Dec.
	1,000 Bushels				1,000 Bushels			
				CORN				
1987	700,000	525,000	375,000	770,000	913,230	710,877	554,228	1,029,100
1988	620,000	530,000	390,000	610,000	852,641	726,063	571,073	784,291
1989	465,000	350,000	190,000	600,000	618,858	451,960	282,634	786,771
1990	450,000	285,000	125,000	600,000	621,755	396,860	176,261	719,635
1991	450,000				582,305			
				SOYBEANS				
1987	105,000	60,000	26,000	120,000	204,577	146,193	86,178	208,181
1988	95,000	65,000	23,000	75,000	163,217	106,559	46,508	124,544
1989	60,000	41,000	13,000	100,000	93,657	58,085	21,777	149,575
1990	80,000	50,000	16,000	110,000	119,185	76,588	29,815	173,625
1991	95,000				143,781			
				ALL WHEAT				
1987	130,000	92,000	145,000	125,000	221,733	172,952	239,731	203,951
1988	105,000	85,000	100,000	85,000	177,212	127,584	160,879	134,138
1989	70,000	39,000	86,000	62,000	114,633	69,223	138,148	105,709
1990	38,000	15,000	107,000	85,000	76,299	36,063	153,554	129,025
1991	65,000				108,788			
				OATS				
1987		12,500				18,003		
1988		10,000				17,293		
1989		6,000				14,186		
1990	18,000	12,000	32,000	27,000	33,724	29,506	60,323	51,827
1991	21,000				47,675			
				BARLEY				
1987		50,000				80,239		
1988		40,000	45,000	30,000		68,648	90,258	72,725
1989	20,000	15,000	32,000	25,000	57,613	43,471	60,258	57,848
1990	15,000	6,000	37,000	28,000	53,838	41,127	69,488	58,475
1991	19,000				50,801			
				ALL HAY				
		May		Dec.				
		1,000 Tons						
1987		1,548		5,850		OFF-FARM HAY STOCKS		
1988		1,482		4,594		NOT ESTIMATED		
1989		626		4,800				
1990		1,088		4,461				
1991		1,312						

NOTE: All estimates are for the first of the month. Quarterly barley estimates were reinstated in September 1988 and quarterly oat estimates were reinstated in March 1990.

MINNESOTA CROP MARKETINGS: PERCENT BY MONTHS

CORN

Crop Marketing Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1986-87	4	10	7	8	7	11	8	10	9	9	12	5
1987-88	10	7	3	7	9	7	6	8	11	12	11	9
1988-89	16	10	8	12	4	6	5	7	10	6	9	7
1989-90	13	11	4	6	4	6	10	10	13	8	11	4

SOYBEANS

Crop Marketing Year	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1986-87	4	19	9	6	10	7	5	7	9	7	10	7
1987-88	11	17	6	5	8	6	8	8	8	11	7	5
1988-89	17	21	6	8	12	3	6	5	4	7	6	5
1989-90	7	16	7	4	8	5	8	7	8	9	9	12

ALL WHEAT

Crop Marketing Year	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1986-87	6	11	8	8	4	5	8	7	5	7	15	16
1987-88	16	16	5	5	8	7	5	7	5	7	10	9
1988-89	10	10	7	5	7	8	7	4	9	9	11	13
1989-90	9	21	7	6	9	12	11	5	5	5	6	4

OATS

1986-87	15	12	6	4	9	11	12	6	4	4	12	5
1987-88	27	14	6	3	9	4	4	4	7	5	6	11
1988-89	30	12	8	4	4	4	5	5	7	5	6	10
1989-90	26	16	6	4	5	4	7	4	6	7	7	8

BARLEY

1986-87	9	7	5	4	6	10	6	7	9	7	14	16
1987-88	12	9	3	4	8	8	3	5	9	6	13	20
1988-89	11	8	5	7	8	7	7	7	10	9	7	14
1989-90	9	15	12	10	13	13	10	5	3	2	3	5

FLAX

1986-87	2	2	12	50	10	6	2	2	1	2	2	9
1987-88	8	7	16	35	2	5	3	3	6	2	8	5
1988-89	15	5	20	30	15	2	5	1	1	4	1	1
1989-90	16	2	41	32	2	-	-	7	-	-	-	-

ALL HAY

Crop Marketing Year	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
1986-87	13	7	5	5	3	5	9	13	11	12	11	6
1987-88	7	4	5	5	4	8	9	8	14	17	11	8
1988-89	13	13	6	5	4	6	7	8	10	11	12	5
1989-90	8	5	7	4	6	9	10	12	12	13	9	5

FLOWERS AND FOLIAGE PLANTS - 1990

The 1990 wholesale value of sales by commercial flower and foliage producers in Minnesota totaled $41,990,000 compared with $37,893,000 in 1989. A commercial operation is defined as one which had $10,000 or more in annual gross sales of cut flowers, flowering and foliage plants, bedding plants, or cultivated florist greens.

The wholesale value of cut flowers in 1990 totaled $6,655,000, up 2% from the previous year. The wholesale value of potted flowering plants was $9,940,000, up slightly from $8,817,000 in 1989. Sales of foliage plants for indoor and patio use totaled $1,950,000, up 35% from the previous year. Sales of bedding and garden plants in flats were up 5% to $12,081,000. Potted bedding and garden plant sales were up 4% to $7,325,000.

MINNESOTA FLOWERS, FOLIAGE PLANTS, AND BEDDING PLANTS, 1989-90

Item	Producers		Total Quantity Sold				
	1989	1990	Units	1989	1990	Intended 1991	1991 As Percent Of 1990
	Number			Thousands			Percent
Potted Flowering Plants:							
African Violets	17	35	Pots	237	235	178	76
Chrysanthemums	40	48	Pots	473	508	484	95
Finished Florist Azaleas	44	65	Pots	158	191	188	98
Easter Lilies	55	85	Pots	294	312	317	102
Other Lilies	12	16	Pots	12	19	15	79
Poinsettias	88	115	Pots	739	829	838	101
Other Flowering Plants	42	81	Pots	414	462	517	112
Bedding/Garden Plants:							
Hardy/Garden Chrysanthemums	101	117	Pots	466	532	532	100
Geraniums (Cuttings)	178	190	Pots	2,368	2,398	2,407	100
Geraniums (Seed)	87	91	Pots	1,430	1,604	1,601	100
Other Potted Flowering And Foliage Type	118	137	Pots	925	1,026	1,058	103
Vegetable Type	98	116	Pots	335	377	338	90
Geraniums	38	44	Flats	65	70	86	123
Other Flowering And Foliage Type	181	199	Flats	1,240	1,283	1,320	103
Vegetable Type	168	195	Flats	311	339	353	104
Foliage For Indoor Or Patio:							
Flowering Hanging Baskets	190	219	Baskets	550	584	598	102
Foliage Hanging Baskets	90	105	Baskets	160	165	165	100

CUT FLOWERS, 1989-90

Item	Producers		Area For Production			
	1989	1990	1989	1990	Intended 1991	1991 As Percent Of 1990
	Number		1,000 Square Feet			Percent
Cut Flowers:						
Chrysanthemums, Standard	18	18	11	12	13	108
Chrysanthemums, Pompon	24	21	77	85	85	100
Roses, Hybrid Tea	8	7	348	419	449	107
Roses, Sweetheart	5	4	69	62	62	100
Other Cut Flowers	30	34	300	323	333	103
Potted Foliage	32	42	195	215	212	99

Paddy Wild Rice

(Information provided by the Minnesota Paddy Wild Rice Research and Promotion Council)

Wild rice is the only cereal grain to be domesticated from the wild crop in the United States. In 1977, the State Legislature designated wild rice as Minnesota's official State Grain.

The cultivated crop is grown in the northern one-third of the state on an estimated 20,000 acres in the counties of Aitkin, Beltrami, St. Louis, Itasca, Cass, Lake of the Woods, Koochiching, Clearwater, Polk, and Red Lake.

In 1990, cultivated wild rice production was 4,800,000 processed pounds.

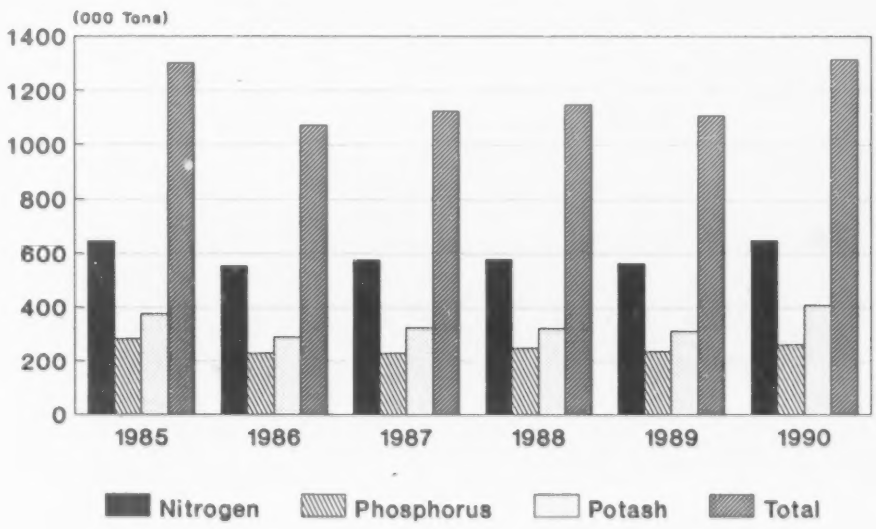
Fertilizer Use

Minnesota fertilizer consumption totaled 2.3 million tons for the year ending June 30, 1990, up 19% from the previous year. Minnesota was the 6th ranking state in total tonnage.

Usage of the primary nutrients is shown on the chart; nitrogen was up 15% from 1989 while phosphate usage increased 11% and potash use escalated 31%.

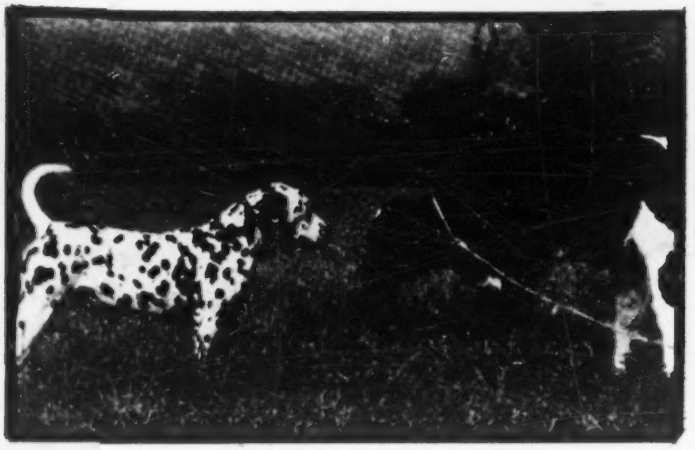
Fertilizer consumption represents all commercial fertilizer sold or shipped for farm and non-farm use as fertilizer.

Minnesota's Use Of Primary Nutrients As Fertilizer



SECTION 3

LIVESTOCK, DAIRY, POULTRY

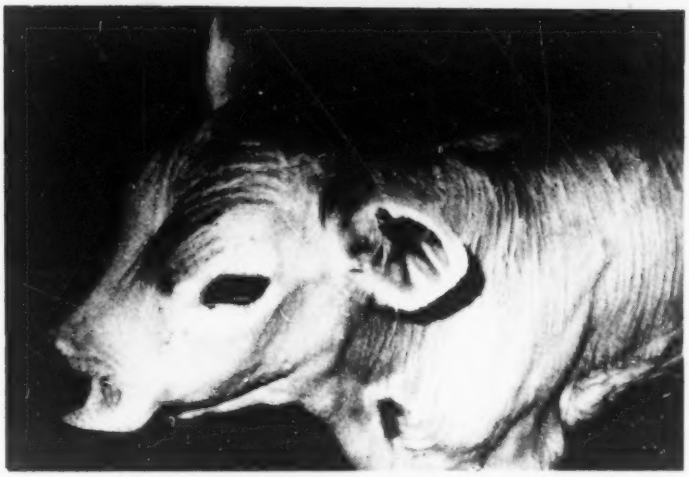


Livestock

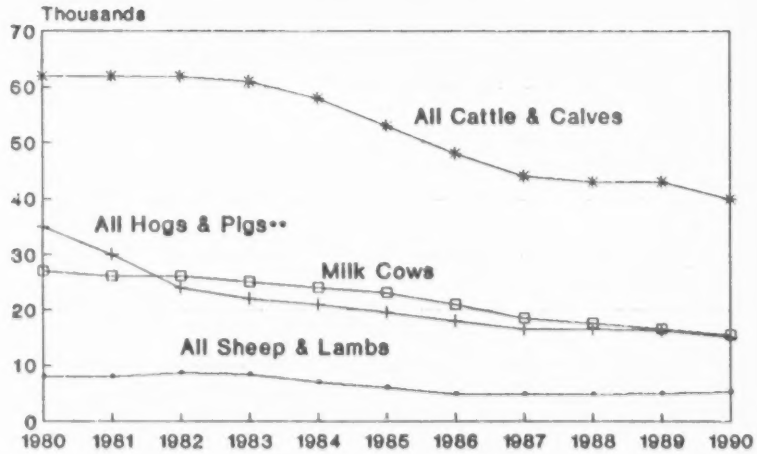
Cattle numbers on Minnesota farms on January 1, 1991 were 6% above a year earlier. Minnesota's 1990 calf crop at 1,070,000 was slightly below 1989. Meanwhile, sheep and lamb numbers were up 5% from January 1, 1990. The inventory of all hogs on December 1, 1990 was 1% above the previous year; farrowings at 965,000 head in 1990 were down 3%. A crop of 7,863,000 pigs was produced in the state during 1990, a decrease of 1% from 1989. The record high average yearly litter rate of 8.15 pigs was up from 7.98 in 1989. All chickens on farms were up 5% from a year ago.

The combined value of all livestock and poultry on Minnesota farms was over $2.6 billion. All cattle and calves, valued at $1.9 billion, were up 5% from a year ago. The value of hogs on hand on December 1, 1990 accounted for $383 million, up 8%; all sheep and lambs, $20.1 million, down 11%; and all chickens, $23.9 million, up 14%.

The number of operations with cattle in 1990 declined 3,000 while milk cow and beef cow operations both decreased 1,000. Cattle on feed operations remained the same. Hog operations decreased 1,300 while sheep operations increased 200.



MINNESOTA FARMS WITH LIVESTOCK*



* Operations having 1 or more head of livestock on hand at any time during the year. Addition may exceed total farms in the state. **December 1 preceding year.

MINNESOTA NUMBER OF LIVESTOCK OPERATIONS 1/

Year	-- Number Of Operations With -- Cattle	Milk Cows	Beef Cows	Hogs	Sheep
1986	48,000	21,000	17,500	18,000	4,800
1987	44,000	18,500	16,000	16,500	4,800
1988	43,000	17,500	16,000	16,500	4,800
1989	43,000	16,500	16,000	16,300	5,000
1990	40,000	15,500	15,000	15,000	5,200

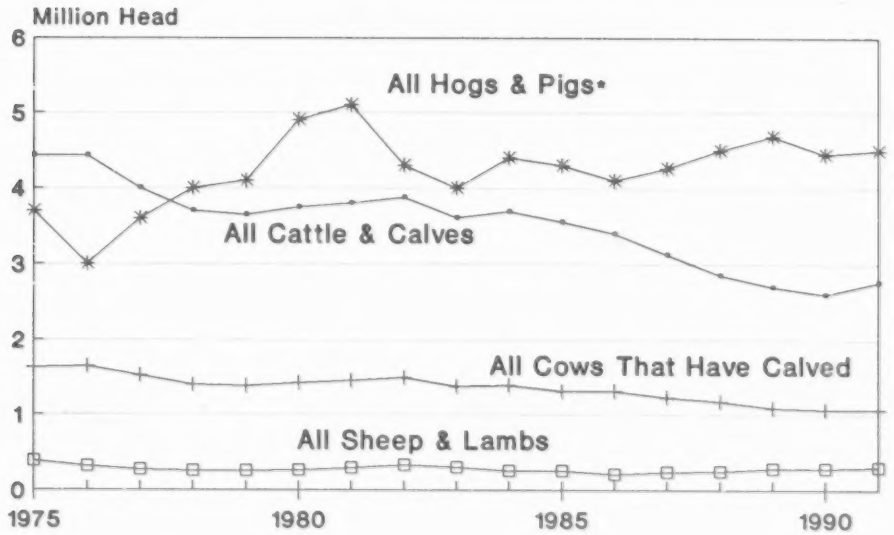
1/ An operation is any farm having one or more head of livestock on hand at any time during the year.

MINNESOTA AND U.S. LIVESTOCK, DAIRY, AND POULTRY PRODUCTION RECORDS

Item	Number	Record High Date
ALL CATTLE INVENTORIES:		
Minnesota	4,518,000	Jan. 1, 1964 & 1965
BEEF COWS:		
Minnesota	751,000	1976
MILK COWS:		
Minnesota	1,893,000	1934
CATTLE ON FEED:		
Minnesota	589,000	Jan. 1, 1970
CALVES BORN:		
Minnesota	1,867,000	1944
ALL HOGS BY QUARTERS:		
MARCH 1: 1/		
Minnesota	4,950,000	1980
JUNE 1: 2/		
Minnesota	5,928,000	1951
SEPTEMBER 1: 1/		
Minnesota	5,518,000	1955
DECEMBER 1: 1/		
Minnesota	5,100,000	1980
ANNUAL PIGS PER LITTER:		
Minnesota	8.15	1990
United States	7.87	1990
ANNUAL PIG CROP:		
Minnesota	8,937,000	1980
ANNUAL MILK PRODUCTION (Mil. Lbs.)		
Minnesota	11,155	1964
United States	148,284	1990
MILK PRODUCTION PER COW (Lbs.)		
Minnesota	14,093	1990
United States	14,642	1990
ALL SHEEP AND LAMBS:		Jan. 1,
Minnesota	1,496,000	1943
STOCK SHEEP:		
Minnesota	1,201,000	1942 & 1943
LAMB CROP:		
Minnesota	1,015,000	1942
ALL CHICKENS:		Dec. 1,
Minnesota	31,742,000	1944
EGGS PER LAYER:		
Minnesota	259	1990
United States	252	1990
TURKEYS RAISED:		
Minnesota	46,300,000	1990

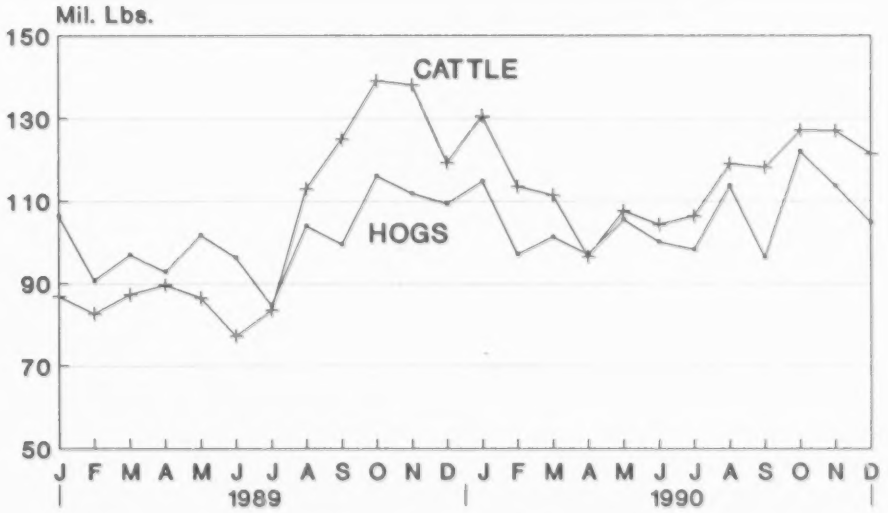
1/ March 1, September 1, and December 1 data available since 1954.
2/ June 1 estimates were started in 1950.

LIVESTOCK ON MINNESOTA
FARMS, JANUARY 1



• December 1 previous year.

MINNESOTA'S BEEF AND PORK PRODUCTION*



•Total liveweight of cattle & hogs commercially slaughtered.

MINNESOTA LIVESTOCK AND POULTRY - INVENTORY AND INVENTORY VALUE

Class	Number on Farms			Value Per Head			Total Inventory Value		
	1989	1990	1991	1989	1990	1991	1989	1990	1991
	1,000 Head			Dollars			1,000 Dollars		
All Cattle & Calves, Jan. 1	2,700	2,600	2,760	655.00	705.00	695.00	1,768,500	1,833,000	1,918,200
Total Cows That Have Calved	1,085	1,065	1,065						
Beef Cows	315	350	375						
Milk Cows	770	715	690						
Total Heifers 500 Lbs.+	595	575	615						
Beef Replacement	65	65	72						
Milk Replacement	335	325	315						
Other	195	185	228						
Steers 500 Lbs. +	405	390	460						
Bulls 500 Lbs. +	35	40	45						
Calves Under 500 Lbs.	580	530	575						
Cattle & Calves On Feed, Jan. 1	310	300	345						
Calf Crop	1,075	1,070	---						
All Hogs & Pigs, Dec. 1 1/	4,690	4,450	4,500	67.50	79.50	85.00	316,575	353,775	382,500
Pig Crop	7,942	7,863	---						
All Sheep & Lambs, Jan. 1	290	285	300	78.00	79.00	67.00	22,620	22,515	20,100
Stock Sheep	225	210	220						
Ewes 1 Year+	170	165	170						
Ewe Lambs	40	31	36						
Wethers & Rams, 1 Year+	8	8	7						
Wether & Ram Lambs	7	6	7						
Sheep & Lambs On Feed	65	75	80						
Lamb Crop	225	220	---						
All Chickens, Dec. 1 1/	11,700	12,700	13,300	1.45	1.65	1.80	16,965	20,955	23,940
Hens & Pullets Of Laying Age	9,000	9,500	10,200						
Pullets 3 Months Old+, Not of Laying Age	1,000	1,315	1,680						
Pullets Under 3 Months	1,645	1,835	1,365						
Other Chickens	55	50	55						
TOTAL							**2,124,660**	**2,230,245**	**2,344,740**

1/ December 1 preceding year.

MINNESOTA CATTLE AND CALVES DISPOSITION

Year	Inshipments	Marketings 1/		Farm Slaughter 2/ Cattle and Calves	Deaths	
		Cattle	Calves		Cattle	Calves
		1,000 Head				
1986	510	1,633	170	12	55	160
1987	460	1,554	165	11	50	130
1988	465	1,385	155	10	55	140
1989	420	1,275	142	8	45	125
1990	440	1,060	121	9	40	120

1/ Excludes interfarm sales.
2/ Excludes custom slaughter for farmers at commercial establishments.

MINNESOTA CATTLE AND CALF INVENTORIES, PRODUCTION, AND INCOME

Year	On Farms, January 1			Calves Born	Marketings 1/	Price Per 100 Lbs.		Cash Receipts 2/	Gross Income 3/
	All Cattle	All Cows That Have Calved	Milk Cows That Have Calved			Cattle	Calves		
	1,000 Head				1,000 Lbs.	Dollars		1,000 Dols.	1,000 Dols.
1986	3,400	1,311	915	1,270	1,932,370	49.20	58.30	953,850	975,777
1987	3,120	1,230	825	1,180	1,865,500	58.10	78.30	1,091,459	1,110,656
1988	2,850	1,175	790	1,130	1,676,320	62.50	87.50	1,056,897	1,077,648
1989	2,700	1,085	770	1,075	1,548,030	65.40	91.10	1,021,527	1,038,611
1990	2,600	1,065	715	1,070	1,290,500	70.30	100.00	914,795	933,768
1991	2,760	1,065	690	-----	-------	-----	-----	-------	-------

1/ Excludes interfarm sales.
2/ Includes receipts from marketings and sales of farm slaughtered meat.
3/ Includes value of home consumption on farms.

MINNESOTA CATTLE AND CALVES ON FEED BY QUARTERS

Year & Quarter		Total Number	Classes			Weight Groups 1/				
			Steers And Steer Calves	Heifers And Heifer Calves	Other	Under 500 Lbs.	500-699 Lbs.	700-899 Lbs.	900 Lbs. & Over 2/	1,100 Lbs. & Over 2/
			1,000 Head				1,000 Head			
1986:	January 1	300	204	93	3	18	89	83	107	
	April 1	305	207	95	3	12	62	112	116	
	July 1	255	176	76	3	7	34	92	119	
	October 1	205	141	62	2	6	30	63	104	
1987:	January 1	305	204	98	3	20	94	81	107	
	April 1	320	224	93	3	14	67	124	112	
	July 1	290	206	81	3	11	34	93	149	
	October 1	225	160	63	2	10	27	67	119	
1988:	January 1	310	217	90	3	19	91	83	114	
	April 1	320	221	96	3	15	67	120	115	
	July 1	275	192	80	3	12	34	80	146	
	October 1	220	158	60	2	13	26	66	113	
1989:	January 1	310	217	90	3	15	106	77	109	
	April 1	330	221	106	3	12	57	131	99	28
	July 1	275	195	77	3	10	24	79	119	40
	October 1	210	151	57	2	8	26	60	73	41
1990:	January 1	300	213	84	3	17	87	85	68	40
	April 1	330	220	109	1	12	55	133	96	33
	July 1	290	205	84	1	11	30	84	112	52
	October 1	230	166	63	1	13	30	64	78	44
1991:	January 1	345	240	102	3	26	127	86	64	39
	April 1	350	242	107	1	17	61	135	98	38

1/ "Other" class not included in "Weight Groups."
2/ Prior to April 1989, the "1,100-Lb.-&-Over" weight group was combined with the "900-Lbs. & Over" category.

ALL CATTLE, CATTLE ON FEED, ALL STOCK SHEEP: JANUARY 1 INVENTORY, BY DISTRICTS AND COUNTIES, MINNESOTA, 1990-91

District And County	All Cattle And Calves		Cattle And Calves On Feed		All Stock Sheep And Lambs	
	1990	1991	1990	1991	1990	1991
			Number			
Becker	42,600	46,500	1,900	2,300	3,800	3,800
Clay	20,500	21,300	2,000	2,100	1,600	1,800
Clearwater	24,700	25,000	1,300	1,300	2,200	2,000
Kittson	11,000	11,700	1,000	1,000	2,100	2,200
Mahnomen	14,300	14,500	700	800	900	800
Marshall	14,500	15,100	1,500	1,500	4,200	4,000
Norman	15,000	15,000	1,300	1,300	500	500
Pennington	11,500	11,700	1,100	1,100	1,100	1,000
Polk	33,100	35,800	2,900	3,000	3,200	3,100
Red Lake	17,100	17,100	1,000	1,100	700	600
Roseau	26,200	27,600	1,500	1,600	5,000	5,000
Northwest	230,500	241,300	16,200	17,100	25,300	24,800
Beltrami	24,200	24,500	500	500	1,700	1,700
Cass	22,400	22,500	700	700	2,200	2,300
Hubbard	12,700	13,000	500	500	1,800	1,900
Itasca	14,500	15,000	400	400	600	600
Koochiching	6,800	6,800	200	200	1,500	1,200
Lake of the Woods	6,500	6,500	100	100	400	300
North Central	87,100	88,300	2,400	2,400	8,200	8,000
Cook	300	300	---	---	---	---
Lake	600	600	100	100	200	100
St. Louis	16,600	17,300	400	400	1,100	1,200
Northeast	17,500	18,200	500	500	1,300	1,300
Big Stone	10,500	10,700	1,100	1,100	1,600	1,700
Chippewa	8,300	8,300	1,400	1,400	2,500	2,900
Douglas	34,800	37,000	2,400	3,100	2,500	2,400
Grant	11,400	11,600	2,200	2,200	1,000	700
Lac Qui Parle	18,400	21,500	5,100	5,700	1,800	2,000
Otter Tail	117,400	117,500	4,400	4,200	9,000	9,700
Pope	33,600	35,000	2,800	2,800	1,600	1,700
Stevens	22,100	25,500	11,700	13,300	2,000	2,200
Swift	15,300	15,500	2,900	3,000	1,800	1,900
Traverse	11,900	12,100	3,900	3,900	2,600	2,400
Wilkin	3,900	3,900	500	500	400	300
Yellow Medicine	21,600	21,800	4,500	4,600	2,800	3,100
West Central	309,200	320,400	42,900	45,800	29,600	31,000
Benton	37,200	39,700	1,300	1,400	700	700
Carver	49,200	49,400	3,000	3,500	1,600	1,300
Kandiyohi	31,200	31,200	3,100	3,100	4,200	4,500
McLeod	36,900	38,900	2,600	3,000	1,100	1,100
Meeker	35,800	37,500	3,100	3,000	1,300	1,600
Morrison	72,800	74,500	2,000	2,500	1,800	2,100
Renville	22,100	22,100	7,700	7,700	5,600	4,800
Scott	28,600	32,000	3,800	4,700	1,000	900
Sherburne	14,000	16,500	1,400	1,700	1,000	1,100
Sibley	34,800	36,500	5,100	5,900	2,900	3,200
Stearns	151,500	157,500	11,600	11,900	2,400	2,500
Todd	76,700	77,000	2,000	2,000	4,000	4,400
Wadena	24,000	24,000	900	900	1,700	1,900
Wright	58,500	59,000	3,200	3,800	2,400	2,200
Central	673,300	695,800	50,800	55,100	31,700	32,300

ALL CATTLE, CATTLE ON FEED, ALL STOCK SHEEP: JANUARY 1 INVENTORY, BY DISTRICTS AND COUNTIES, MINNESOTA, 1990-91 (CONT'D)

District And County	All Cattle And Calves		Cattle And Calves On Feed		All Stock Sheep And Lambs	
	1990	1991	1990	1991	1990	1991
			Number			
Aitkin	15,800	16,500	400	400	700	900
Anoka	5,600	5,800	500	600	800	600
Carlton	15,400	16,000	400	400	600	500
Chisago	20,000	22,600	1,100	1,300	700	800
Crow Wing	16,600	16,600	600	700	900	800
Hennepin	17,200	18,000	1,200	1,400	800	1,300
Isanti	12,800	13,500	900	1,000	1,700	1,900
Kanabec	28,600	33,000	1,900	2,100	1,700	1,800
Mille Lacs	27,300	28,100	1,100	1,200	1,100	900
Pine	38,700	40,600	1,000	1,200	2,600	2,500
Ramsey	600	600	100	100	200	200
Washington	15,600	16,600	1,400	1,600	1,400	1,600
East Central	214,200	227,900	10,600	12,000	13,200	13,800
Cottonwood	27,100	33,500	9,800	13,200	3,400	3,700
Jackson	23,600	24,600	9,300	9,900	3,200	3,600
Lincoln	30,400	36,000	5,200	6,800	4,100	4,900
Lyon	36,000	37,200	8,100	8,800	5,000	6,400
Murray	34,700	37,000	8,100	10,700	5,500	7,700
Nobles	45,500	51,200	11,400	14,700	5,700	6,100
Pipestone	32,500	33,000	3,100	3,300	5,300	7,600
Redwood	34,300	40,300	9,000	10,800	3,400	3,200
Rock	44,700	53,000	10,400	14,100	3,700	4,600
Southwest	308,800	345,800	74,400	92,300	39,300	47,800
Blue Earth	20,500	24,000	8,200	10,600	3,300	3,100
Brown	30,900	36,200	6,600	8,500	3,000	3,100
Faribault	14,400	16,500	4,800	5,400	3,500	3,700
Freeborn	19,200	21,300	3,600	4,300	4,500	4,600
LeSueur	23,600	25,700	4,200	5,400	2,300	2,500
Martin	19,500	24,000	5,500	6,800	4,100	4,300
Nicollet	20,300	22,600	3,600	4,000	1,400	1,400
Rice	36,000	36,500	3,000	3,200	1,900	1,900
Steele	20,800	21,500	3,300	3,400	1,500	1,500
Waseca	14,700	15,500	2,000	2,200	2,800	3,100
Watonwan	10,800	14,200	3,400	4,900	2,200	2,200
South Central	230,700	258,000	48,200	58,700	30,500	31,400
Dakota	36,000	39,500	10,200	11,700	1,800	2,000
Dodge	23,900	25,100	3,800	3,900	2,100	2,000
Fillmore	88,100	89,000	5,500	5,800	6,000	5,600
Goodhue	77,600	79,800	6,200	7,100	5,500	5,300
Houston	70,900	77,800	6,600	8,200	1,200	1,200
Mower	25,600	29,000	4,300	5,100	3,900	4,100
Olmsted	61,900	72,000	6,400	7,500	4,900	4,200
Wabasha	65,500	68,700	5,300	5,700	4,100	3,800
Winona	79,200	83,400	5,700	6,100	1,400	1,400
Southeast	528,700	564,300	54,000	61,100	30,900	29,600
Minnesota	2,600,000	2,760,000	300,000	345,000	210,000	220,000

BEEF COWS, MILK COWS: JANUARY 1 INVENTORY, BY DISTRICTS AND COUNTIES, MINNESOTA, 1990-91

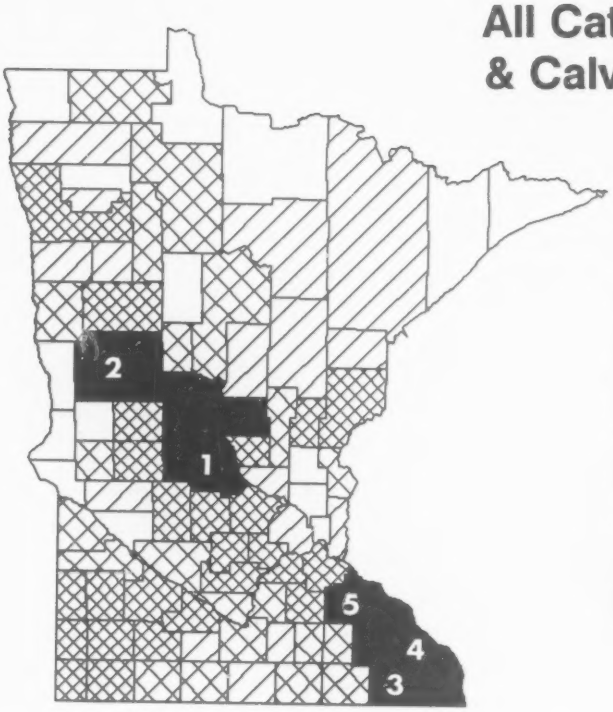
District And County	Beef Cows		Milk Cows	
	1990	1991	1990	1991
		Number		
Becker	6,000	7,000	12,500	12,600
Clay	4,500	4,800	3,500	3,500
Clearwater	8,500	9,300	3,200	3,200
Kittson	5,000	5,400	400	400
Mahnomen	4,800	5,300	2,400	2,300
Marshall	5,000	5,300	1,700	1,700
Norman	3,500	3,500	2,400	2,400
Pennington	2,700	2,800	2,500	2,400
Polk	9,600	9,600	5,100	5,000
Red Lake	5,000	5,600	3,000	2,800
Roseau	8,000	8,300	4,600	4,700
Northwest	62,600	66,900	41,300	41,000
Beltrami	9,300	10,100	3,900	3,900
Cass	7,900	8,600	3,900	3,600
Hubbard	4,600	5,000	1,600	1,500
Itasca	6,600	7,400	1,100	1,000
Koochiching	3,000	3,400	500	500
Lake of the Woods	2,800	3,200	400	400
North Central	34,200	37,700	11,400	10,900
Cook	100	100	---	---
Lake	400	400	---	---
St. Louis	5,000	5,500	3,100	3,100
Northeast	5,500	6,000	3,100	3,100
Big Stone	2,500	2,500	2,000	1,900
Chippewa	1,500	1,500	1,800	1,600
Douglas	3,000	3,000	14,100	13,700
Grant	1,200	1,200	1,900	1,900
Lac Qui Parle	3,400	3,500	2,200	2,100
Otter Tail	10,200	10,200	41,900	41,900
Pope	3,800	3,900	11,100	11,100
Stevens	2,100	2,900	1,000	1,000
Swift	2,400	2,400	3,300	3,300
Traverse	1,300	1,400	700	700
Wilkin	900	1,000	700	700
Yellow Medicine	3,600	3,400	2,500	2,500
West Central	35,900	36,900	83,200	82,400
Benton	3,300	4,000	15,900	15,200
Carver	1,500	1,900	20,100	18,900
Kandiyohi	2,000	2,200	10,400	10,000
McLeod	1,600	2,000	16,400	15,400
Meeker	2,800	3,400	11,900	11,800
Morrison	6,500	7,300	30,700	29,900
Renville	1,300	1,600	4,000	3,900
Scott	2,000	2,100	8,900	8,300
Sherburne	2,000	2,200	2,800	2,700
Sibley	1,500	1,500	12,500	11,700
Stearns	5,100	6,200	71,100	67,800
Todd	7,000	6,700	32,000	30,100
Wadena	3,500	3,900	7,900	7,300
Wright	3,700	4,200	22,000	20,700
Central	43,800	49,200	266,600	253,700

BEEF COWS, MILK COWS: JANUARY 1 INVENTORY, BY DISTRICTS AND COUNTIES, MINNESOTA, 1990-91 (CONT'D)

District And County	Beef Cows		Milk Cows	
	1990	1991	1990	1991
		Number		
Aitkin	5,400	6,800	3,000	2,900
Anoka	1,100	1,300	1,000	900
Carlton	3,100	4,200	4,700	4,200
Chisago	2,700	3,500	5,900	5,600
Crow Wing	4,700	5,600	3,000	2,800
Hennepin	2,500	2,500	5,100	4,900
Isanti	1,500	1,800	4,100	3,900
Kanabec	6,000	8,100	6,900	6,500
Mille Lacs	2,400	2,700	10,800	10,000
Pine	8,200	9,000	11,800	11,000
Ramsey	300	300	100	100
Washington	3,000	4,300	2,800	2,500
East Central	40,900	50,100	59,200	55,300
Cottonwood	3,400	3,300	2,800	2,800
Jackson	2,900	2,800	1,600	1,500
Lincoln	5,000	4,300	5,100	5,100
Lyon	5,000	5,300	3,300	3,100
Murray	2,700	2,700	5,000	4,700
Nobles	5,000	4,500	4,800	4,800
Pipestone	4,600	4,800	6,000	5,800
Redwood	4,200	3,800	4,000	3,800
Rock	5,100	4,800	4,100	3,900
Southwest	37,900	36,300	36,700	35,500
Blue Earth	1,800	1,600	2,400	2,400
Brown	2,400	2,000	9,700	9,300
Faribault	1,100	1,100	2,800	2,800
Freeborn	1,900	1,600	5,000	4,700
LeSueur	3,200	2,900	5,400	5,500
Martin	1,600	1,300	2,400	2,400
Nicollet	1,100	1,000	7,200	7,100
Rice	2,000	1,700	13,900	13,700
Steele	1,300	1,100	8,800	8,700
Waseca	1,200	1,200	4,600	4,400
Watonwan	1,400	1,100	1,600	1,600
South Central	19,000	16,600	63,800	62,600
Dakota	2,100	1,900	6,900	6,800
Dodge	1,800	1,500	8,200	8,200
Fillmore	19,400	20,800	20,400	19,000
Goodhue	6,800	6,400	27,900	27,500
Houston	11,500	13,200	15,900	15,000
Mower	2,500	2,700	7,300	7,100
Olmsted	8,600	10,500	15,400	14,900
Wabasha	9,000	9,800	20,400	19,900
Winona	8,500	8,500	27,300	27,100
Southeast	70,200	75,300	149,700	145,500
Minnesota	350,000	375,000	715,000	690,000

Geographic Distribution

All Cattle & Calves



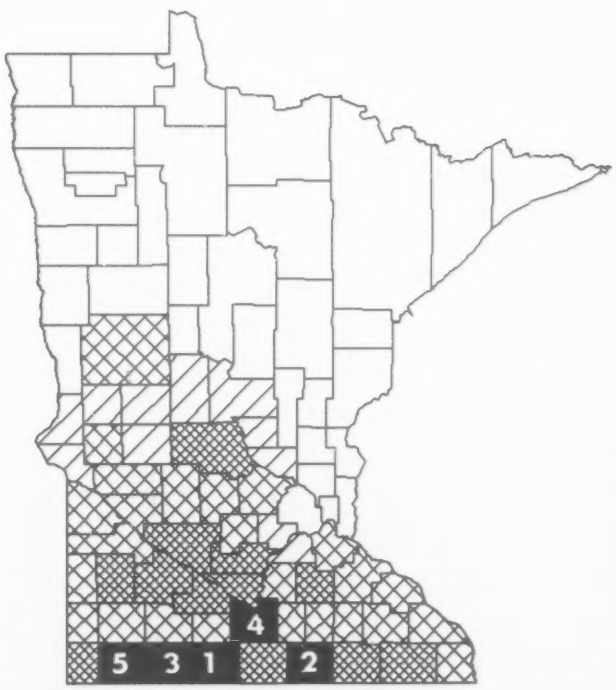
Number of Head, January 1, 1991

- Less Than 14,000
- 14,000–19,999
- 20,000–29,999
- 30,000–59,999
- 60,000+

All Hogs

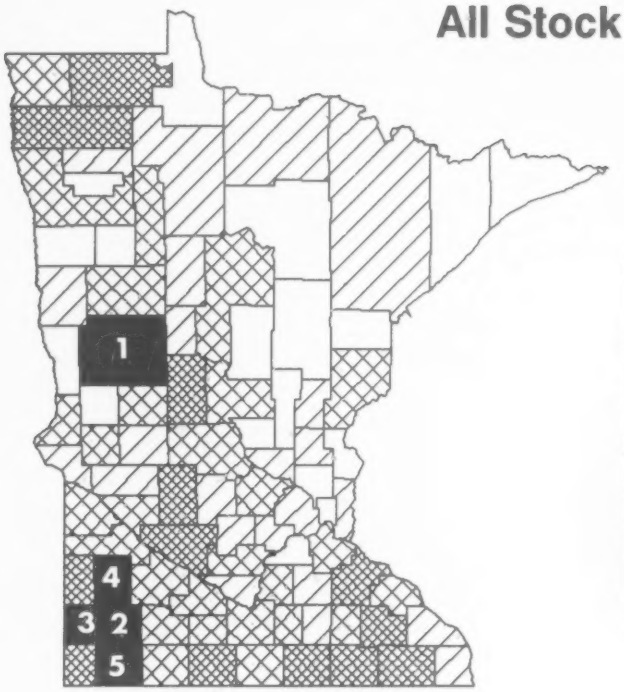
Number of Head, December 1, 1990

- Less Than 20,000
- 20,000–39,999
- 40,000–99,999
- 100,000–149,999
- 150,000+



Geographic Distribution

All Stock Sheep & Lambs



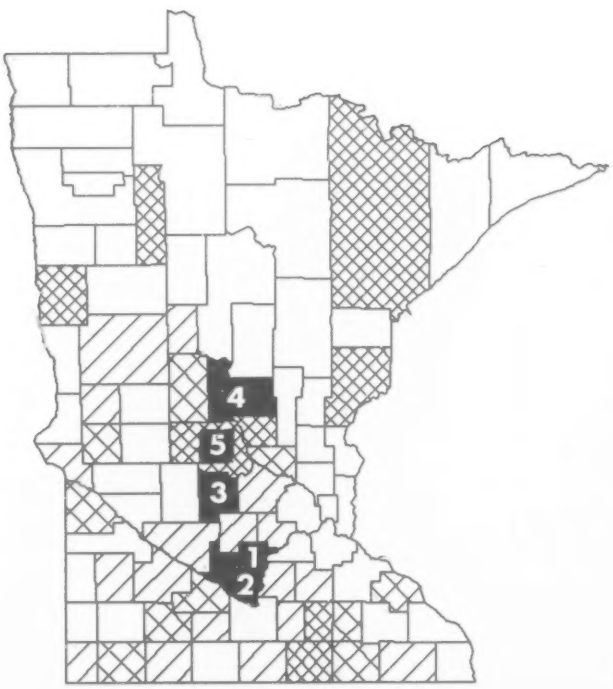
Number of Head, January 1, 1991

- Less Than 1,000
- 1,000–1,999
- 2,000–3,999
- 4,000–5,999
- 6,000+

Eggs Produced

Million Eggs Produced in 1990

- Less Than 10.0 Mil.
- 10.0–19.9 Mil.
- 20.0–49.9 Mil.
- 50.0–199.9 Mil.
- 200.0 Mil.+



MINNESOTA SOWS FARROWED, PIG CROP, AND DISPOSITION

Year	Spring		Fall		Annual Total		Inship-ments	Market-ings 1/	Farm 2/ Slaughter	Deaths	All Hogs On Farms Dec. 1
	Farrowings	Pig Crop	Farrowings	Pig Crop	Farrowings	Pig Crop					
	1,000 Head		1,000 Head		1,000 Head		1,000 Head				
1986	415	3,302	430	3,462	845	6,764	255	6,508	16	335	4,260
1987	445	3,585	480	3,815	925	7,400	300	7,094	16	350	4,500
1988	490	3,962	510	4,009	1,000	7,971	260	7,595	16	430	4,690
1989	505	4,071	490	3,871	995	7,942	227	8,008	16	385	4,450
1990	490	4,018	475	3,845	965	7,863	262	7,685	15	375	4,500

1/ Excludes interfarm sales.
2/ Excludes custom slaughter for farmers at commercial establishments.

MINNESOTA HOGS AND PIGS BY QUARTERS

Year and Quarter	All Hogs and Pigs	For Breeding Purposes	Market Hogs and Pigs			
			Under 60 Lbs.	60-119 Lbs.	120-179 Lbs.	180 Lbs. and Over
	1,000 Head	1,000 Head	1,000 Head			
1986:						
March	3,900	490	1,315	840	690	565
June	3,925	500	1,340	890	710	485
September	4,100	490	1,510	830	750	520
December	4,260	535	1,370	975	810	570
1987:						
March	4,000	525	1,390	855	670	560
June	4,180	525	1,475	930	725	525
September	4,550	560	1,600	1,010	780	600
December	4,500	585	1,510	980	790	635
1988:						
March	4,300	560	1,490	890	750	610
June	4,600	580	1,640	1,000	780	600
September	4,930	595	1,800	1,060	820	655
December	4,690	600	1,500	1,060	855	675
1989:						
March	4,420	565	1,550	920	760	625
June	4,670	590	1,660	1,030	790	600
September	4,950	590	1,795	1,050	825	690
December	4,450	570	1,420	1,000	800	660
1990:						
March	4,250	550	1,460	890	720	630
June	4,650	600	1,720	990	760	580
September	4,800	580	1,730	1,020	820	650
December	4,500	560	1,480	1,020	810	630
1991:						
March	4,350	560	1,520	880	750	640

MINNESOTA HOG PRODUCTION AND INCOME

Year	Production 1/	Marketings 2/	Price Per 100 Lbs.	Cash Receipts 3/	Gross Income 4/
	1,000 Pounds		Dollars	1,000 Dollars	
1986	1,479,217	1,460,285	50.70	750,234	755,809
1987	1,620,532	1,596,416	51.80	839,170	845,063
1988	1,739,084	1,719,578	43.10	749,700	755,517
1989	1,786,655	1,824,077	43.60	801,362	807,007
1990	1,714,520	1,730,811	55.20	965,387	972,115

1/ Adjustments made for number shipped in and changes in inventory.
2/ Excludes interfarm sales.
3/ Includes receipts from marketings and sales of farm slaughtered meats.
4/ Sum of cash receipts and value of home consumption

MINNESOTA MINK PRODUCTION

Year	Number of Mink Farms	Pelts Produced	Females Bred 1/
1986	155	568,000	139,800
1987	143	503,200	143,100
1988	142	536,000	131,800
1989	119	545,900	98,500
1990 2/			

1/ Females bred to produce kits the following year.
2/ 1990 mink data will be available July 24, 1991.

Photo Courtesy of *American Fur Magazine.*

MINNESOTA BEE AND HONEY

Year	Number Of Colonies	Yield Per Colony	Pro-duction	Stocks Dec. 15 1/	Average Price Per Pound	Value Of Production
	1,000	Pounds	1,000 Lbs.	1,000 Lbs.	Cents	1,000 Dols.
1986	136	78	10,608	636	.470	4,986
1987	150	108	16,200	1,296	.460	7,452
1988	150	129	19,350	1,935	.430	8,321
1989	165	92	15,180	3,492	.450	6,831
1990	170	74	12,580	1,384	.470	5,913

1/ Does not include stocks under loan.

MINNESOTA HOGS AND PIGS, BY DISTRICTS AND COUNTIES

District And County	All Hogs Dec. 1		Annual Farrowings		Annual Pig Crop	
	1989	1990	1989	1990	1989	1990
			-Number-			
Becker	9,000	10,900	3,500	3,900	27,000	30,800
Clay	11,300	11,900	3,600	3,500	27,600	27,900
Clearwater	3,400	3,400	1,600	1,600	12,400	12,600
Kittson	2,100	2,300	600	600	4,600	4,700
Mahnomen	3,200	3,600	1,400	1,500	10,200	11,600
Marshall	3,000	3,500	1,400	1,400	10,200	11,100
Norman	8,400	9,500	2,400	2,500	18,300	19,800
Pennington	4,400	5,300	1,600	1,800	12,300	14,200
Polk	9,400	9,400	2,700	2,700	20,900	21,300
Red Lake	3,800	3,800	1,300	1,300	10,000	10,300
Roseau	3,600	3,600	1,300	1,300	9,900	10,300
Northwest	61,600	67,200	21,400	22,100	163,400	174,600
Beltrami	4,500	4,200	1,600	1,500	12,300	11,900
Cass	13,800	12,000	3,500	3,100	26,800	24,800
Hubbard	13,200	12,600	3,800	3,500	28,900	27,700
Itasca	3,800	3,500	1,600	1,500	11,900	11,700
Koochiching	700	600	300	300	2,200	2,300
Lake of the Woods	700	800	200	300	1,500	2,300
North Central	36,700	33,700	11,000	10,200	83,600	80,700
St. Louis	2,200	2,000	600	500	4,600	4,000
Northeast	2,200	2,000	600	500	4,600	4,000
Big Stone	36,600	39,500	8,200	8,400	67,200	69,000
Chippewa	47,600	50,000	11,300	11,100	92,400	91,500
Douglas	23,100	22,100	7,000	6,500	55,500	53,000
Grant	24,000	22,500	5,600	5,200	46,100	42,500
Lac Qui Parle	51,300	51,500	11,500	11,000	94,000	90,000
Otter Tail	57,300	54,500	17,200	16,200	136,100	132,000
Pope	24,000	26,000	6,000	6,100	49,500	50,000
Stevens	70,300	74,500	15,500	15,900	127,100	130,000
Swift	40,900	42,500	9,700	9,700	79,400	79,500
Traverse	21,800	22,500	4,600	4,500	37,300	37,000
Wilkin	14,500	13,000	3,800	3,400	30,800	28,000
Yellow Medicine	64,200	65,000	12,000	11,800	98,200	97,000
West Central	475,600	483,600	112,400	109,800	913,600	899,500
Benton	32,300	31,000	10,600	9,900	82,500	80,500
Carver	31,800	30,300	6,900	6,400	55,400	52,000
Kandiyohi	90,500	86,500	21,100	19,800	168,400	161,500
McLeod	44,400	43,500	11,100	10,400	88,400	85,000
Meeker	76,200	74,500	18,900	17,600	151,000	144,000
Morrison	40,000	38,000	14,000	13,100	108,900	107,000
Renville	133,400	126,000	26,500	24,800	211,900	202,000
Scott	23,400	24,500	4,800	4,700	37,900	38,000
Sherburne	23,400	23,000	4,600	4,400	36,300	36,000
Sibley	103,900	105,000	22,100	21,500	176,300	175,000
Stearns	133,500	126,000	37,200	34,600	297,200	282,000
Todd	32,600	31,000	10,400	9,700	80,100	79,000
Wadena	10,300	10,000	4,400	4,100	33,600	33,500
Wright	43,100	43,500	12,900	12,400	100,400	101,500
Central	818,800	792,800	205,500	193,400	1,628,300	1,577,000

MINNESOTA HOGS AND PIGS, BY DISTRICTS AND COUNTIES (CONT'D)

District And County	All Hogs Dec. 1		Annual Farrowings		Annual Pig Crop	
	1989	1990	1989	1990	1989	1990
			-Number-			
Aitkin	900	900	300	300	2,300	2,300
Anoka	7,000	7,200	1,300	1,300	10,100	10,100
Carlton	600	600	200	200	1,500	1,500
Chisago	12,500	15,500	2,800	3,100	21,600	24,000
Crow Wing	5,800	7,000	1,800	1,900	13,500	14,800
Hennepin	8,400	8,000	2,400	2,200	18,000	17,000
Isanti	12,100	11,300	3,100	2,900	23,300	22,500
Kanabec	11,900	11,500	3,200	3,000	24,000	23,500
Mille Lacs	10,500	11,000	4,400	4,200	33,000	32,500
Pine	7,000	6,600	2,200	2,000	16,500	15,400
Ramsey	300	300	100	100	800	800
Washington	5,700	5,900	1,200	1,200	9,200	9,300
East Central	82,700	85,800	23,000	22,400	173,800	173,700
Cottonwood	94,900	91,000	17,600	16,500	142,800	134,000
Jackson	181,700	181,000	36,500	34,600	293,200	280,000
Lincoln	47,700	47,000	9,400	8,900	75,400	72,000
Lyon	125,700	125,000	25,900	24,900	208,100	202,000
Murray	102,600	99,000	21,900	20,800	175,700	168,500
Nobles	154,400	153,000	33,900	32,000	271,700	259,500
Pipestone	51,400	57,500	12,300	13,000	97,600	105,000
Redwood	130,300	130,000	27,300	26,000	219,200	210,000
Rock	105,900	102,000	22,100	20,500	177,200	166,000
Southwest	994,600	985,500	206,900	197,200	1,660,900	1,597,000
Blue Earth	156,600	171,000	30,000	30,500	241,400	250,000
Brown	120,600	117,000	22,000	21,000	178,000	172,000
Faribault	136,800	135,000	28,500	27,300	229,500	223,500
Freeborn	168,000	182,000	34,800	35,500	280,100	290,500
LeSueur	74,600	81,500	14,300	14,800	114,400	121,500
Martin	228,000	240,000	48,100	48,000	386,600	393,000
Nicollet	114,000	115,000	24,900	24,100	200,900	197,500
Rice	102,300	112,000	22,500	23,500	181,000	193,000
Steele	74,700	78,500	13,700	13,800	110,700	113,500
Waseca	72,200	77,000	16,000	16,000	127,500	131,500
Watonwan	84,100	94,000	16,600	17,500	133,600	143,500
South Central	1,331,900	1,403,000	271,400	272,000	2,183,700	2,229,500
Dakota	46,800	49,000	9,500	9,500	76,000	78,000
Dodge	60,300	66,100	13,600	14,000	107,100	114,500
Fillmore	127,600	123,500	28,900	27,500	228,700	225,500
Goodhue	66,500	68,000	15,300	14,800	120,500	121,500
Houston	54,300	56,800	12,000	11,800	94,800	97,000
Mower	134,800	131,500	26,700	25,200	212,300	207,000
Olmsted	55,700	55,000	14,000	13,300	109,600	109,000
Wabasha	51,300	49,500	12,500	11,700	98,600	96,000
Winona	48,600	47,000	10,300	9,600	82,500	78,500
Southeast	645,900	646,400	142,800	137,400	1,130,100	1,127,000
Minnesota	4,450,000	4,500,000	995,000	965,000	7,942,000	7,863,000

MINNESOTA SHEEP AND LAMBS

Year	On Farms, January 1			Lambs Saved	Marketings 1/	Cash Receipts 2/	Gross Income 3/
	Total All Sheep and Lambs	On Feed For Market	Stock (Breeding) Sheep				
	1,000 Head			1,000 Head		1,000 Dollars	
1986	213	63	150	195	202.0	14,354	14,561
1987	237	72	165	170	158.5	13,441	13,611
1988	250	65	185	200	171.5	12,657	12,959
1989	290	65	225	225	247.5	17,556	17,954
1990	285	75	210	220	217.0	12,388	12,603
1991	300	80	220	---	-----	------	------

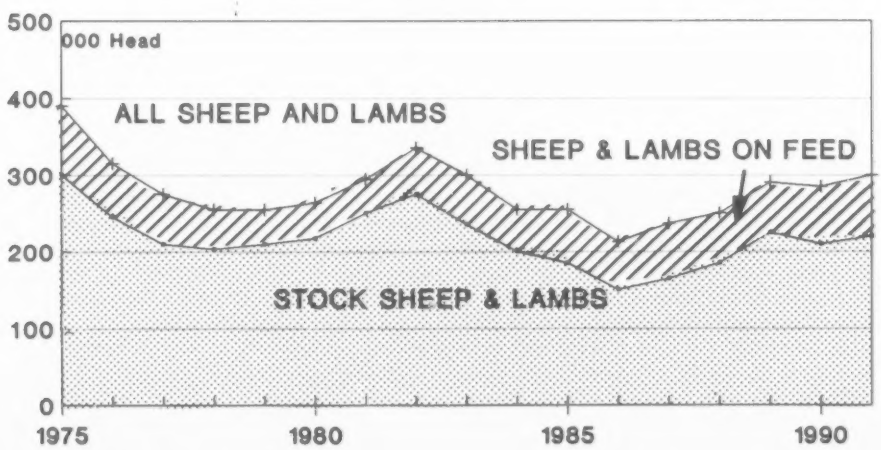
1/ Excludes interfarm sales.
2/ Includes receipts from marketings and sales of farm slaughtered meat.
3/ Sum of cash receipts and value of home consumption.

MINNESOTA WOOL

Year	Sheep Shorn 1/	Weight Per Fleece	Production Total	Annual Average Price Per Pound 2/	Value
	1,000 Head	Pounds	1,000 Pounds	Cents	1,000 Dollars
1986	230	6.7	1,530	45	689
1987	241	6.7	1,623	57	925
1988	250	7.2	1,798	77	1,384
1989	280	7.0	1,950	78	1,521
1990	250	7.1	1,765	40	706

1/ Includes sheep shorn at commercial feeding yards.
2/ Average local market price for wool sold; does not include incentive payments.

MINNESOTA SHEEP & LAMBS
JANUARY 1



MINNESOTA COMMERCIAL LIVESTOCK SLAUGHTER

Month	CATTLE						CALVES					
	Number Slaughtered		Liveweight Average Weight		Liveweight Total Weight		Number Slaughtered		Liveweight Average Weight		Liveweight Total Weight	
	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990
	1,000 Head		Pounds		1,000 Pounds		1,000 Head		Pounds		1,000 Pounds	
January	87.8	93.7	1,210	1,225	106,230	114,702	0.2	0.1	251	211	38	24
February	74.4	78.8	1,219	1,231	90,651	96,982	0.2	0.1	273	226	45	29
March	80.1	84.8	1,208	1,195	96,812	101,299	0.2	0.1	263	226	48	27
April	77.1	80.5	1,203	1,205	92,729	97,004	0.1	0.1	277	195	40	22
May	88.0	88.8	1,155	1,187	101,644	105,395	0.1	0.1	311	246	46	26
June	83.0	84.2	1,159	1,187	96,208	99,973	0.2	0.1	302	229	46	23
July	72.1	82.1	1,174	1,196	84,635	98,198	0.2	0.1	270	238	42	20
August	87.4	93.7	1,189	1,213	103,932	113,658	0.2	0.1	232	260	36	25
September	81.3	79.3	1,222	1,214	99,342	96,305	0.2	0.1	282	224	46	21
October	93.9	100.2	1,235	1,216	115,975	121,832	0.2	0.1	243	209	45	23
November	90.6	93.3	1,235	1,218	111,827	113,563	0.3	0.1	253	212	80	21
December	88.7	85.6	1,231	1,223	109,243	104,690	0.2	0.1	198	237	38	19
ANNUAL TOTAL	1,004.4	1,045.0	1,204	1,209	1,209,226	1,263,600	2.1	1.2	261	226	551	281
	HOGS						SHEEP AND LAMBS					
January	364.3	556.4	239	234	86,902	130,415	30.0	27.2	124	115	3,715	3,139
February	348.5	482.0	237	235	82,740	113,43-	26.2	24.4	123	120	3,234	2,925
March	368.3	476.7	237	234	87,385	111,363	31.0	3.3	127	130	3,945	434
April	375.5	409.4	238	236	89,533	96,515	26.4	0.6	124	111	3,274	62
May	363.9	454.4	238	237	86,492	107,612	26.0	0.6	123	103	3,200	62
June	328.6	452.2	237	230	77,181	104,150	29.0	0.4	118	105	3,428	43
July	355.0	451.6	235	235	83,502	106,241	26.8	0.5	114	102	3,055	51
August	481.3	506.7	235	235	112,948	118,986	33.6	0.6	116	98	3,908	63
September	529.9	498.6	236	237	124,938	118,025	28.4	0.6	120	111	3,404	70
October	587.3	539.9	237	235	139,004	127,040	27.7	0.7	121	104	3,353	69
November	580.1	536.6	238	237	138,031	126,997	24.9	0.4	124	100	3,096	44
December	510.9	512.9	233	237	119,151	121,298	25.6	0.5	118	110	3,020	51
ANNUAL TOTAL	5,193.6	5,877.5	237	235	1,228,408	1,382,077	335.7	59.9	121	109	40,632	7,013

Dairy

Minnesota's milk production totaled 10.0 billion pounds in 1990, down 1% from 1989. This is the 5th consecutive year that output has declined. The state's share of national production in 1990 was 7%. The 12-month average number of milk cows was 710,000 versus 734,000 in 1989. The pounds of milk per cow averaged 14,093 in 1990, up 322 pounds from 1989.

The count of Minnesota dairy farms licensed to sell milk to plants in January 1991 totaled 15,336. This compares with the totals of 15,787 for January 1990 and 16,632 for January 1989.

MINNESOTA MILK PRODUCTION, DISPOSITION, AND INCOME

Year	Total Milk Produced	Disposition Of Milk Produced			Cash Receipts	Gross Producer Income
		Used on Farms Where Produced		Sale Of Wholesale Milk		
		Fed To Calves	Consumed In Farm Household			
	Mil. Lbs.	Million Pounds			1,000 Dollars	
1986	10,614	140	24	10,450	1,238,325	1,241,169
1987	10,420	134	31	10,255	1,216,243	1,219,920
1988	10,413	152	26	10,235	1,194,425	1,197,459
1989	10,108	113	20	9,975	1,304,730	1,307,346
1990	10,006	111	20	9,875	1,305,475	1,308,119

MINNESOTA MANUFACTURED DAIRY PRODUCTS

Year	Butter	All Cheese	American Cheese	Non-Fat Dry Milk Solids	Dry Whey & Whey Fraction Solids	Ice Cream	Ice Milk	Milk Sherbet
	1,000 Pounds					1,000 Gallons		
1986	156,678	566,872	515,151	185,244	353,964	38,906	9,475	1,908
1987	141,003	580,944	521,338	150,180	344,709	41,080	12,450	2,196
1988	129,566	635,025	572,974	91,915	401,821	37,759	11,819	2,328
1989	135,628	610,843	561,856	67,963	375,551	38,975	18,563	2,313
1990	115,409	654,188	596,816	36,934	369,111	39,422	12,498	2,068

MINNESOTA MONTHLY DAIRY PRODUCTION

MILK COWS ON FARMS, EXCLUDES HEIFERS THAT HAVE NOT CALVED
(Thousands)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1986	910	905	905	900	890	880	860	850	840	840	835	830	870
1987	820	820	820	815	815	815	810	805	800	800	795	790	809
1988	790	790	790	790	785	780	780	780	780	780	775	770	783
1989	765	760	750	740	735	730	725	725	725	720	720	715	734
1990	715	720	720	720	720	715	710	705	705	700	700	695	710

MILK PRODUCTION ON FARMS
(Million Pounds)

1986	937	873	991	977	1,015	959	890	829	760	781	772	830	10,614
1987	877	824	927	917	966	921	879	825	784	812	807	881	10,420
1988	905	873	940	916	942	889	858	815	784	811	802	878	10,413
1989	903	836	926	892	919	869	823	783	758	781	781	837	10,108
1990	872	817	922	896	922	869	824	783	737	767	770	827	10,006

PERCENTAGE OF FAT IN MILK SOLD BY FARMERS TO DAIRY PLANTS
(Percent)

1986	3.71	3.68	3.65	3.62	3.57	3.51	3.47	3.53	3.66	3.75	3.79	3.74	3.64
1987	3.69	3.66	3.65	3.61	3.54	3.46	3.43	3.45	3.61	3.75	3.76	3.73	3.61
1988	3.71	3.70	3.68	3.65	3.59	3.49	3.44	3.45	3.60	3.75	3.81	3.79	3.64
1989	3.73	3.70	3.71	3.68	3.63	3.56	3.49	3.49	3.63	3.72	3.76	3.76	3.66
1990	3.71	3.71	3.68	3.66	3.61	3.57	3.51	3.53	3.60	3.75	3.77	3.76	3.65

BUTTER MANUFACTURED
(Million Pounds)

1986	14.8	13.6	14.6	14.5	15.3	13.9	11.9	11.5	11.2	12.5	10.9	12.0	156.7
1987	12.2	11.4	13.1	12.9	12.9	11.8	11.4	10.2	10.2	11.3	11.0	12.5	141.0
1988	12.8	12.6	13.5	12.9	13.1	11.3	9.9	8.5	8.4	7.6	8.3	10.7	129.6
1989	13.4	13.4	14.6	13.7	13.5	11.6	6.0	10.6	9.3	9.8	9.4	10.3	135.6
1990	11.7	11.3	11.7	10.1	10.0	8.0	7.5	8.4	8.4	9.7	9.7	9.1	115.4

AMERICAN CHEESE MANUFACTURED
(Million Pounds)

1986	46.9	43.3	49.6	48.8	50.3	46.9	43.1	38.8	35.8	34.2	36.4	41.1	515.2
1987	44.4	41.3	47.0	46.2	48.6	44.8	41.5	37.1	37.2	42.5	43.1	47.7	521.3
1988	49.1	46.6	50.6	49.6	50.1	46.1	44.6	40.4	43.6	51.6	49.7	51.0	573.0
1989	49.6	43.0	48.0	45.3	46.8	48.3	46.5	44.0	45.7	46.6	46.7	51.4	561.9
1990	51.1	48.1	53.4	52.5	53.5	50.9	49.3	46.8	45.6	47.1	47.9	50.7	596.8

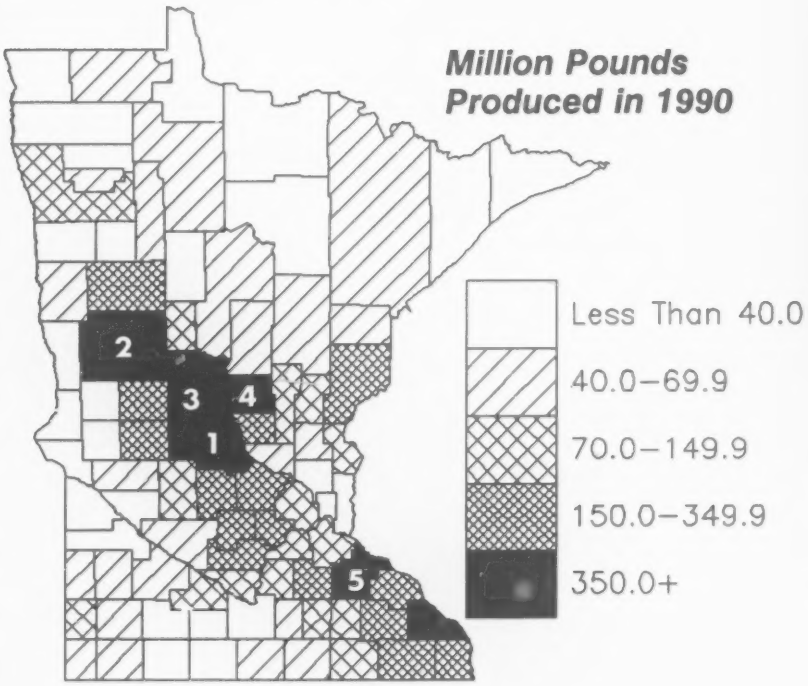
DAIRY: MILK COWS, PRODUCTION PER COW, TOTAL PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90

District And County	Annual Average Milk Cows On Farms		Annual Average Production Per Cow		Total Production	
	1989	1990	1989	1990	1989	1990
	Number		Thousand Pounds		Thousand Pounds	
Becker	12,600	12,500	13.3	13.5	168,000	168,500
Clay	3,700	3,500	13.6	14.1	50,500	49,500
Clearwater	3,400	3,200	13.1	13.8	44,500	44,000
Kittson	400	400	13.8	13.8	5,500	5,500
Mahnomen	2,400	2,400	13.5	13.8	32,500	33,000
Marshall	1,800	1,700	13.1	13.8	23,500	23,500
Norman	2,600	2,400	13.3	14.0	34,500	33,500
Pennington	2,700	2,500	13.0	13.4	35,000	33,500
Polk	5,300	5,100	13.6	14.2	72,000	72,500
Red Lake	3,100	3,000	13.7	13.8	42,500	41,500
Roseau	4,800	4,600	13.3	14.0	64,000	64,500
Northwest	42,800	41,300	13.4	13.8	572,500	569,500
Beltrami	4,000	3,900	12.6	13.6	50,500	53,000
Cass	4,000	3,800	12.4	12.2	49,500	46,500
Hubbard	1,700	1,600	12.6	13.8	21,500	22,000
Itasca	1,100	1,100	12.3	12.7	13,500	14,000
Koochiching	500	500	12.0	12.0	6,000	6,000
Lake of the Woods	400	400	11.3	12.5	4,500	5,000
North Central	11,700	11,300	12.4	13.0	145,500	146,500
St. Louis	3,200	3,100	12.7	12.9	40,500	40,000
Northeast	3,200	3,100	12.7	12.9	40,500	40,000
Big Stone	2,000	2,000	13.0	13.0	26,000	26,000
Chippewa	1,800	1,800	13.3	13.1	24,000	23,500
Douglas	14,500	14,000	13.6	14.1	197,500	197,500
Grant	2,000	1,900	13.8	14.5	27,500	27,500
Lac Qui Parle	2,300	2,200	13.0	13.2	30,000	29,000
Otter Tail	43,200	41,900	14.0	14.3	606,500	601,000
Pope	11,200	11,100	13.8	13.9	154,000	154,500
Stevens	1,100	1,000	13.6	14.0	15,000	14,000
Swift	3,400	3,300	14.0	13.9	47,500	46,000
Traverse	700	700	13.6	14.3	9,500	10,000
Wilkin	700	700	13.6	14.3	9,500	10,000
Yellow Medicine	2,500	2,500	13.8	14.2	34,500	35,500
West Central	85,400	83,100	13.8	14.1	1,181,500	1,174,500
Benton	16,200	15,800	13.3	13.9	216,000	219,500
Carver	21,100	19,900	13.5	13.9	285,000	277,000
Kandiyohi	11,000	10,300	13.6	14.1	150,000	145,000
McLeod	17,100	16,200	13.6	13.9	232,000	225,500
Meeker	12,400	11,900	13.5	13.6	167,500	161,500
Morrison	31,200	30,500	13.9	14.6	435,000	444,500
Renville	4,200	4,000	13.8	14.4	58,000	57,500
Scott	9,200	8,800	14.0	14.6	129,000	128,500
Sherburne	2,800	2,800	14.1	14.3	39,500	40,000
Sibley	12,800	12,300	13.6	13.7	173,500	168,500
Stearns	72,700	70,200	14.2	14.4	1,033,000	1,009,000
Todd	32,600	31,600	13.5	13.9	438,500	439,500
Wadena	8,200	7,800	13.5	14.1	111,000	110,000
Wright	22,500	21,700	14.2	14.4	318,500	311,500
Central	274,000	263,800	13.8	14.2	3,786,500	3,737,500

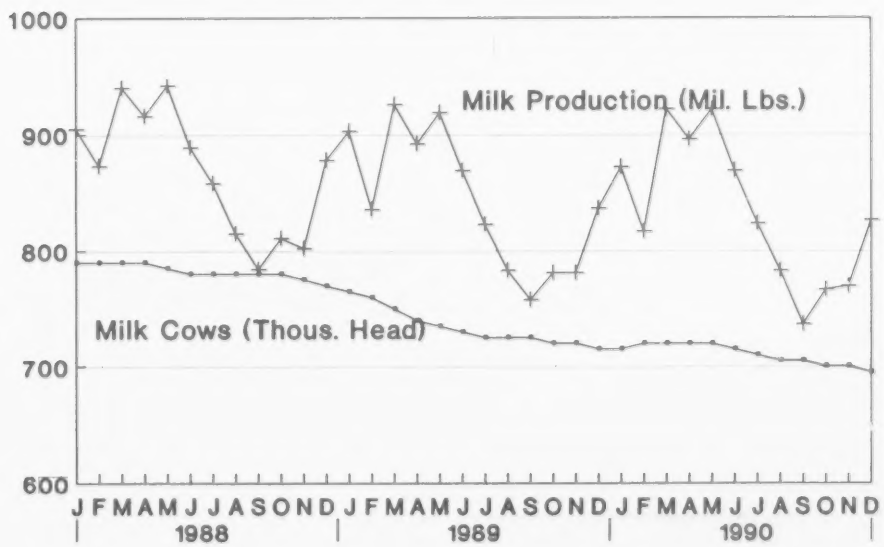
DAIRY: MILK COWS, PRODUCTION PER COW, TOTAL PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90 (CONT'D)

District And County	Annual Average Milk Cows On Farms		Annual Average Production Per Cow		Total Production	
	1989	1990	1989	1990	1989	1990
	Number		Thousand Pounds		Thousand Pounds	
Aitkin	3,100	3,000	13.5	13.7	42,000	41,000
Anoka	1,100	1,000	13.6	14.0	15,000	14,000
Carlton	4,800	4,600	12.4	12.6	59,500	58,000
Chisago	6,100	5,800	13.0	13.5	79,000	78,500
Crow Wing	3,100	3,000	13.2	13.8	41,000	41,500
Hennepin	5,200	5,100	14.1	14.5	73,500	74,000
Isanti	4,200	4,100	13.6	13.9	57,000	57,000
Kanabaec	7,200	6,800	13.4	13.5	96,500	91,500
Mille Lacs	10,900	10,600	14.0	14.0	152,500	148,500
Pine	12,000	11,600	13.8	14.2	166,000	165,000
Ramsey	100	100	10.0	15.0	1,000	1,500
Washington	3,000	2,700	14.2	14.6	42,500	39,500
East Central	60,800	58,400	13.6	13.9	825,500	810,000
Cottonwood	2,900	2,800	13.1	13.4	38,000	37,500
Jackson	1,700	1,600	13.2	13.8	22,500	22,000
Lincoln	5,200	5,100	13.4	13.6	69,500	69,500
Lyon	3,500	3,300	13.1	13.5	46,000	44,500
Murray	5,300	4,900	12.9	13.3	68,500	65,000
Nobles	5,000	4,800	13.4	13.5	67,000	65,000
Pipestone	6,100	6,000	13.4	13.7	82,000	82,000
Redwood	4,100	4,000	13.7	13.9	56,000	55,500
Rock	4,200	4,100	12.9	13.3	54,000	54,500
Southwest	38,000	36,600	13.3	13.5	503,500	495,500
Blue Earth	2,500	2,400	14.0	14.4	35,000	34,500
Brown	9,900	9,600	13.9	14.3	137,500	137,000
Faribault	2,900	2,800	14.1	14.6	41,000	41,000
Freeborn	5,200	4,900	13.4	13.7	69,500	67,000
LeSueur	5,600	5,400	13.8	14.1	77,500	76,000
Martin	2,500	2,400	13.2	13.3	33,000	32,000
Nicollet	7,400	7,200	13.9	14.1	102,500	101,500
Rice	14,300	13,900	13.6	13.9	195,000	193,500
Steele	9,000	8,800	13.8	14.0	124,000	123,500
Waseca	4,800	4,600	14.3	14.5	68,500	66,500
Watonwan	1,700	1,600	13.2	13.4	22,500	21,500
South Central	65,800	63,600	13.8	14.1	906,000	894,000
Dakota	7,200	6,900	14.2	14.4	102,000	99,500
Dodge	8,600	8,200	14.2	14.6	122,000	120,000
Fillmore	20,800	20,100	13.7	14.2	285,000	284,500
Goodhue	28,300	27,700	14.2	14.5	401,500	401,000
Houston	16,100	15,700	13.7	14.0	221,000	219,500
Mower	7,500	7,300	14.5	14.8	108,500	108,000
Olmsted	15,600	15,300	13.9	14.1	217,000	216,000
Wabasha	20,600	20,300	14.6	14.9	301,500	303,000
Winona	27,600	27,300	14.1	14.2	388,000	387,000
Southeast	152,300	148,800	14.1	14.4	2,146,500	2,138,500
Minnesota	734,000	710,000	13.8	14.1	10,108,000	10,006,000

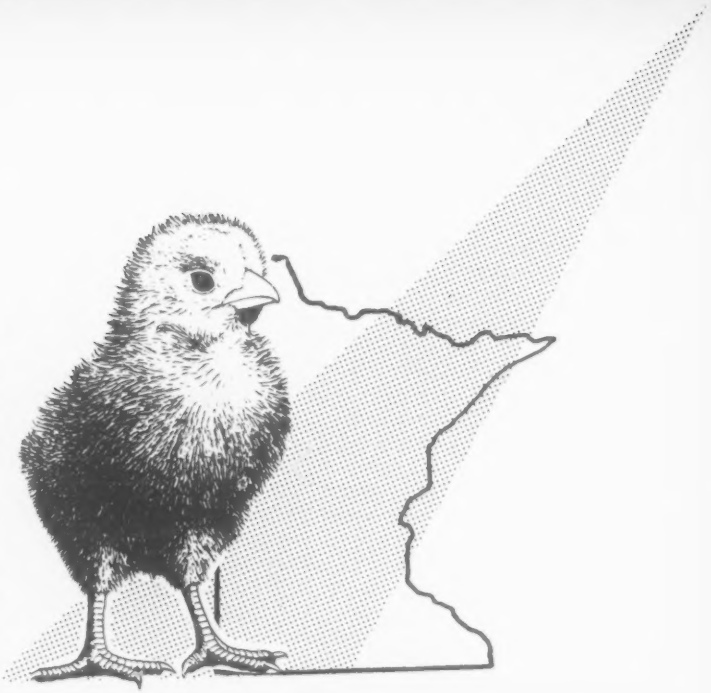
Geographic Distribution Of Minnesota Milk Production



MINNESOTA'S MONTHLY MILK PRODUCTION AND MILK COWS


1000
900
800
700
600
Milk Production (Mil. Lbs.)
Milk Cows (Thous. Head)
J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D
1988
1989
1990

Poultry



In 1990, Minnesota's turkey farms boosted their output to a new record of 46.3 million turkeys raised, up 7% from the previous year. The average price received by Minnesota growers for turkeys in 1990 was 35 cents per pound, down 2 cents from 1989. The value of the state's turkey production in 1990 was $298.2 million, an increase of 3% from the previous year.

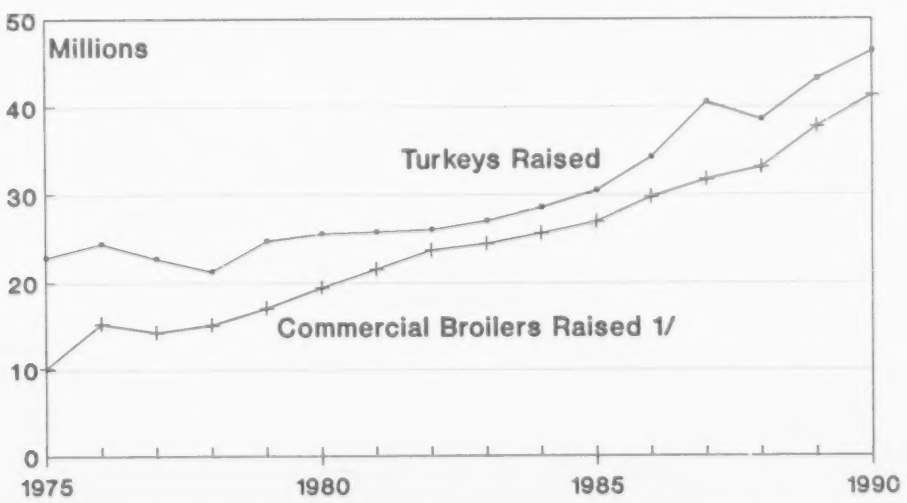
During 1990, hatcheries in the West North Central Region (which includes the states of Iowa, Kansas, Missouri, Nebraska, North Dakota, South Dakota, and Minnesota) placed 86.23 million turkey poults, up 3% from 1989.

The state's egg production in 1990 was 2.50 billion eggs, an increase of 12 % from 1989. The annual average number of layers on farms rose 10% to 9.65 million. The value of eggs produced rose 24% in 1990 to $120.2 million. The all-egg price increased 11 % to 57.7 cents per dozen. The total chicken inventory (excluding broilers) on December 1, 1990 was up 5% to 13.3 million. Value of sales from chickens (excluding broilers) fell 49% to $1.5 million while the price per pound dropped 45% to 7.1 cents.

In 1990, the number of broilers raised increased 10 % to 41.3 million. A new record has been set every year since 1977. From 1989 to 1990, value of production decreased 3% as a result of a lower annual average price per pound which fell 4 cents to 32 cents.

Hatchery production of egg-type chicks increased 7% to 19.17 million in 1990. These poultry estimates are based on survey data obtained from producers, hatcheries, and processing plants.

Minnesota Poultry Production



1/ December 1 previous year to November current year.

MINNESOTA CHICKEN AND EGG INVENTORY, PRODUCTION, AND VALUE

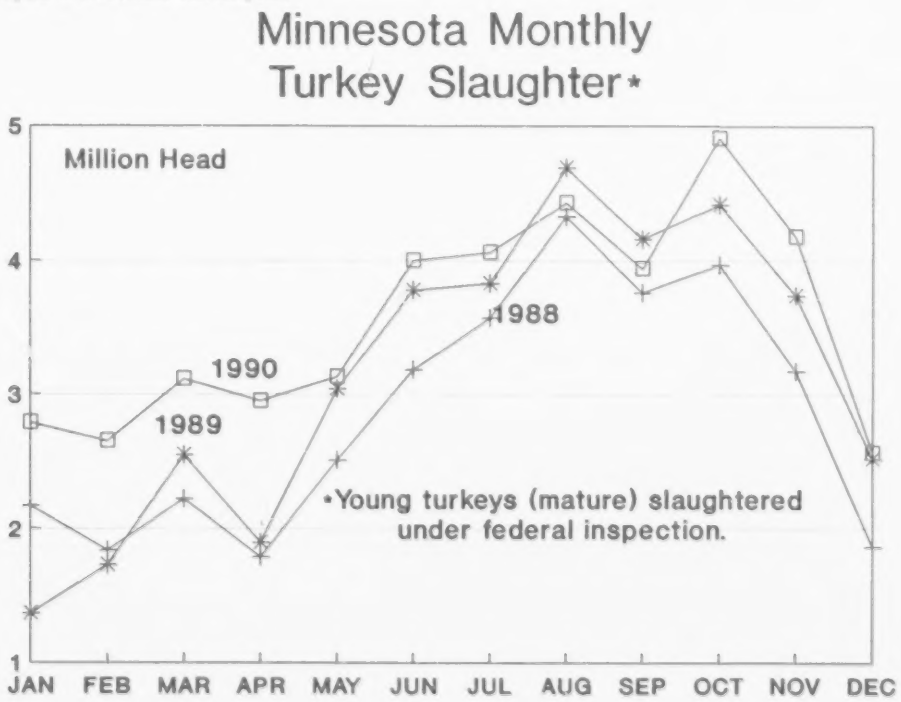
Year	Chickens On Farms, Dec. 1		Chickens 1/		Eggs 1/		Egg-Type Chicks Hatched
	All	Hens & Pullets Of Laying Age	Number Sold	Value Of Sales	Number Produced	Value Of Production	
	Thousands		Thousands	1,000 Dollars	Millions	1,000 Dollars	Thousands
1986	12,800	10,000	7,700	2,707	2,312	91,709	14,117
1987	11,900	9,600	7,700	3,049	2,263	81,091	19,189
1988	11,700	9,000	6,500	2,082	2,250	71,250	18,806
1989	12,700	9,500	6,200	2,982	2,236	96,893	17,956
1990	13,300	10,200	6,000	1,534	2,499	120,160	19,170

1/ December previous year to November current year.

MINNESOTA BROILERS AND TURKEYS: PRODUCTION AND VALUE

Year	Commercial Broilers 1/		Turkeys	
	Number Raised	Value Of Production	Number Raised	Value of Production
	Thousands	1,000 Dollars	Thousands	1,000 Dollars
1986	29,700	45,085	34,200	269,325
1987	31,700	37,913	40,500	228,096
1988	33,100	49,782	38,500	267,729
1989	37,700	65,146	43,100	290,235
1990	41,300	63,437	46,300	298,172

1/ December previous year to November current year.



MINNESOTA MONTHLY POULTRY PRODUCTION

CHICKENS: LAYERS ON FARMS
(Millions)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual 1/
1986	9.9	9.8	9.4	9.4	9.3	9.0	8.9	9.0	9.1	9.3	9.7	9.8	9.4
1987	9.3	9.0	9.2	9.2	8.9	8.9	9.0	9.0	9.1	9.3	9.5	9.6	9.2
1988	9.5	9.4	9.3	9.1	8.8	8.7	8.8	8.7	8.6	8.7	8.9	9.0	9.0
1989	8.9	8.8	8.5	8.5	8.5	8.5	8.6	8.5	8.7	9.0	9.4	9.6	8.7
1990	9.6	9.6	9.6	9.5	9.6	9.5	9.4	9.6	9.9	9.9	10.0	10.3	9.6

EGGS: AVERAGE NUMBER LAID PER LAYER PER MONTH

1986	21.0	18.9	21.3	20.5	21.3	20.7	20.9	20.6	19.7	20.4	20.4	21.3	246
1987	20.8	18.7	21.2	20.5	20.9	19.8	20.5	20.7	20.0	21.1	21.1	21.9	247
1988	21.7	20.1	21.6	20.7	20.6	19.7	21.1	21.2	20.3	20.6	20.4	21.8	250
1989	21.6	19.5	22.4	21.4	21.7	20.8	21.7	21.9	20.9	21.4	20.8	21.8	256
1990	21.8	19.7	22.7	21.8	21.6	21.2	22.2	21.9	21.0	22.0	21.6	21.5	259

EGGS: PRODUCTION ON FARMS 2/
(Million Eggs)

1986	207	185	201	193	199	186	186	185	179	190	199	208	2,312
1987	192	169	195	188	187	177	183	186	183	195	200	210	2,263
1988	206	188	200	188	181	172	185	185	175	179	181	196	2,
1989	193	171	191	181	183	178	186	187	182	193	195	208	2,
1990	209	189	217	207	207	201	208	210	208	218	217	222	2,499

CHICKENS: EGG-TYPE HATCHERY PRODUCTION
(Thousands)

1986	1,239	1,216	934	1,284	1,325	1,305	1,004	1,097	1,097	1,253	808	1,555	14,117
1987	974	1,204	1,906	1,479	1,572	1,568	1,632	1,366	1,710	2,053	1,612	2,113	19,189
1988	1,290	1,721	1,721	1,509	1,814	1,634	881	1,048	1,791	1,535	1,773	2,089	18,806
1989	1,433	1,488	1,575	2,012	1,860	1,712	1,506	1,728	1,368	1,170	1,097	1,007	17,956
1990	1,554	1,721	1,762	1,784	1,972	1,793	1,435	1,302	1,453	1,329	1,647	1,418	19,170

TURKEYS: HATCHERY PLACEMENTS 3/
(Thousands)

1986	4,741	6,187	7,303	8,221	8,547	7,968	7,457	4,978	3,804	4,491	4,097	5,857	73,651
1987	6,885	7,036	8,820	9,308	9,065	9,281	8,455	5,230	4,535	5,211	5,071	5,839	84,736
1988	6,537	7,250	8,358	8,179	8,349	8,531	6,781	5,314	4,408	4,508	4,798	5,105	78,118
1989	6,011	7,024	8,211	7,922	9,245	9,075	7,759	6,323	5,235	5,429	5,564	5,617	83,415
1990	6,613	6,698	8,344	8,554	8,588	9,120	8,049	7,619	5,289	5,421	5,952	5,983	86,230

1/ Annual data for layers and eggs represent December previous year to November current year. Annual data for hatcheries represent calendar year.
2/ Based on unrounded number of layers and eggs per layer.
3/ Totals are placements from West North Central Region hatcheries which include Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota. Data represent total placements excluding exported poults.

HENS AND PULLETS OF LAYING AGE, RATE OF LAY, EGG PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90

District And County	Annual Average Hens & Pullets Of Laying Age		Annual Average Rate Of Lay		Total Egg Production	
	1989	1990	1989	1990	1989	1990
	Number		Number		Thousands	
Becker	10,000	9,000			2,600	2,300
Clay	390,000	360,000			98,000	95,000
Clearwater	460,000	435,000			116,100	111,000
Kittson	2,000	1,000			500	200
Mahnomen	3,000	2,000			700	500
Marshall	2,000	1,000			500	200
Norman	3,000	2,000			700	500
Pennington	3,000	3,000			800	800
Polk	40,000	25,000			10,000	6,200
Red Lake	7,000	5,000			1,800	1,300
Roseau	6,000	6,000			1,500	1,500
Northwest	926,000	849,000	252	259	233,200	219,500
Beltrami	3,000	3,000			700	700
Cass	2,000	2,000			500	500
Hubbard	3,000	2,000			700	500
Itasca	3,000	3,000			700	700
Koochiching	2,000	2,000			500	500
Lake of the Woods	2,000	1,000			400	200
North Central	15,000	13,000	233	238	3,500	3,100
Lake	1,000	1,000			200	200
St. Louis	125,000	115,000			30,900	29,200
Northeast	126,000	116,000	247	253	31,100	29,400
Big Stone	50,000	54,000			12,100	13,100
Chippewa	32,000	20,000			8,100	5,100
Douglas	7,000	5,000			1,700	1,200
Grant	79,000	74,000			19,800	18,600
Lac Qui Parle	83,000	115,000			20,300	28,200
Otter Tail	40,000	53,000			9,700	12,900
Pope	31,000	27,000			7,700	6,700
Stevens	115,000	105,000			28,800	26,200
Swift	16,000	16,000			3,900	3,900
Traverse	3,000	2,000			700	500
Wilkin	16,000	20,000			4,000	5,000
Yellow Medicine	13,000	6,000			3,100	1,400
West Central	485,000	497,000	247	247	119,900	122,800
Benton	275,000	250,000			72,100	65,600
Carver	58,000	68,000			14,000	16,600
Kandiyohi	33,000	27,000			8,400	6,900
McLeod	69,000	69,000			17,300	17,700
Meeker	920,000	1,040,000			234,500	266,000
Morrison	860,000	920,000			226,000	243,000
Renville	68,000	70,000			17,500	18,200
Scott	16,000	15,000			3,900	3,700
Sherburne	135,000	135,000			32,900	33,300
Sibley	1,050,000	1,250,000			273,000	332,000
Stearns	465,000	560,000			112,700	137,000
Todd	80,000	110,000			19,800	27,900
Wadena	43,000	43,000			10,700	10,800
Wright	85,000	72,000			22,100	18,700
Central	4,157,000	4,629,000	256	259	1,064,900	1,197,400

HENS AND PULLETS OF LAYING AGE, RATE OF LAY, EGG PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1989-90 (CONT'D)

District And County	Annual Average Hens & Pullets Of Laying Age		Annual Average Rate Of Lay		Total Egg Production	
	1989	1990	1989	1990	1989	1990
	Number		Number		Thousands	
Aitkin	14,000	14,000			3,500	3,500
Anoka	2,000	2,000			500	500
Carlton	3,000	3,000			700	700
Chisago	10,000	7,000			2,500	1,800
Crow Wing	3,000	3,000			800	800
Hennepin	12,000	10,000			3,000	2,500
Isanti	5,000	4,000			1,300	1,000
Kanabec	10,000	5,000			2,500	1,300
Mille Lacs	35,000	26,000			9,100	6,800
Pine	400,000	400,000			106,400	107,000
Ramsey	1,000	1,000			200	200
Washington	14,000	11,000			3,700	2,900
East Central	509,000	486,000	264	265	134,200	129,000
Cottonwood	140,000	145,000			36,500	37,800
Jackson	41,000	38,000			10,800	10,000
Lincoln	9,000	6,000			2,200	1,500
Lyon	61,000	60,000			16,000	15,700
Murray	26,000	23,000			6,700	5,900
Nobles	140,000	140,000			36,300	36,200
Pipestone	20,000	15,000			5,100	3,800
Redwood	73,000	71,000			18,700	18,200
Rock	40,000	46,000			10,300	11,900
Southwest	550,000	544,000	259	259	142,600	141,000
Blue Earth	34,000	31,000			9,000	8,400
Brown	83,000	83,000			21,500	22,000
Faribault	72,000	69,000			18,800	18,400
Freeborn	325,000	335,000			82,300	85,000
LeSueur	70,000	70,000			18,100	18,500
Martin	33,000	27,000			8,500	7,000
Nicollet	605,000	1,080,000			155,200	286,000
Rice	57,000	66,000			14,900	17,400
Steele	210,000	230,000			55,500	60,700
Waseca	43,000	46,000			11,000	11,800
Watonwan	52,000	50,000			13,400	13,200
South Central	1,584,000	2,087,000	258	263	408,200	548,400
Dakota	29,000	26,000			7,500	6,800
Dodge	60,000	94,000			15,100	23,700
Fillmore	51,000	47,000			13,000	12,000
Goodhue	32,000	29,000			8,200	7,400
Houston	9,000	9,000			2,200	2,200
Mower	99,000	87,000			24,900	22,400
Olmsted	7,000	8,000			1,800	2,100
Wabasha	96,000	120,000			24,400	30,500
Winona	5,000	5,000			1,300	1,300
Southeast	388,000	425,000	254	255	98,400	108,400
Minnesota	8,740,000	9,646,000	256	259	2,236,000	2,499,000

SECTION 4

FARM PRICES

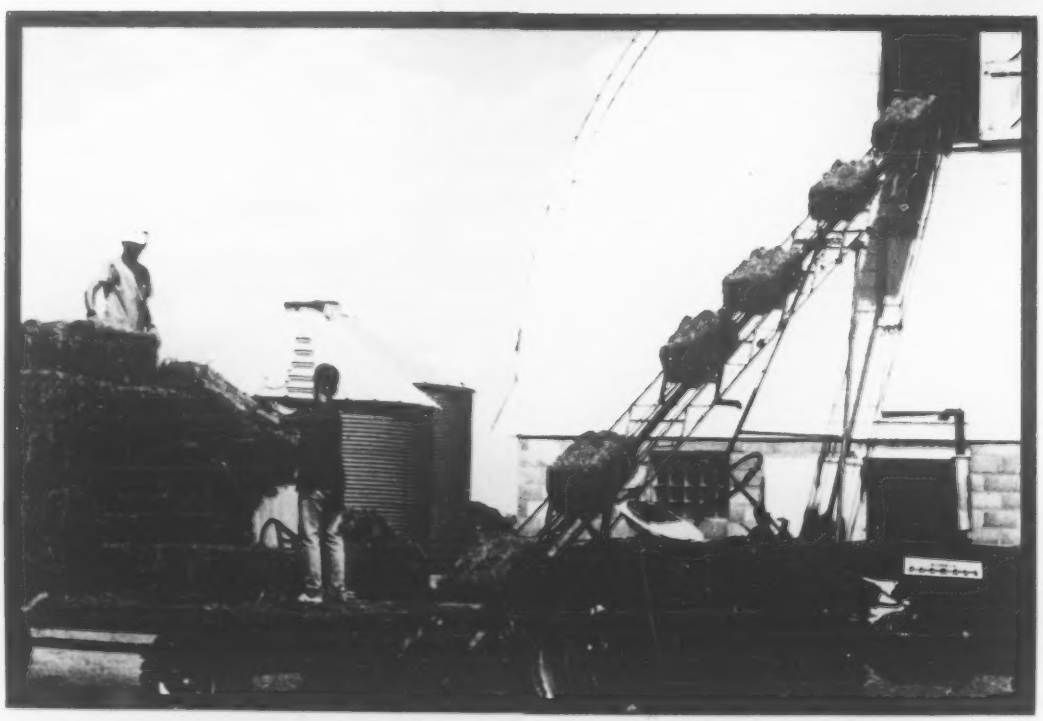


Photo by Janet Wieman

Crop Prices

Timely rains throughout the growing season produced above-average yields for the state, maintaining the downward trend in crop prices. The primary source of the crop prices listed in the following tables are elevators and dealers, which buy directly from farmers. The marketing year for different crops may be found in the footnotes following the tables.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR CROPS

CORN 1/
(Dollars Per Bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Marketing Year Average Price 2/
1986	2.19	2.17	2.14	2.14	2.17	2.22	1.95	1.62	1.32	1.29	1.39	1.52	1.46
1987	1.41	1.32	1.51	1.45	1.62	1.59	1.51	1.39	1.43	1.45	1.45	1.59	1.98
1988	1.63	1.71	1.74	1.77	1.32	2.18	2.51	2.54	2.48	2.46	2.42	2.44	2.40
1989	2.50	2.45	2.45	2.46	2.45	2.46	2.35	2.12	2.15	1.97	2.10	2.11	2.27
1990	2.10	2.16	2.21	2.32	2.49	2.51	2.51	2.39	2.16	2.06	2.05	2.00	2.15

SOYBEANS 3/
(Dollars Per Bushel)

1986	5.02	5.06	5.11	5.10	5.13	5.09	4.98	4.88	4.66	4.39	4.55	4.53	4.72
1987	4.52	4.61	4.61	4.78	5.08	5.09	5.19	4.92	4.82	4.86	5.74	5.37	6.10
1988	5.48	5.72	5.81	6.19	6.78	7.77	8.38	8.14	7.81	7.47	7.34	7.22	7.30
1989	7.62	7.11	7.30	7.15	7.03	7.02	6.60	5.86	5.50	5.43	5.38	5.34	5.58
1990	5.29	5.30	5.48	5.68	5.78	5.78	5.87	5.80	5.81	5.76	5.60	5.51	5.70

SUNFLOWERS 3/
(Dollars Per Cwt.)

1986	8.63	8.27	7.72	7.28	6.70	7.64	6.92	5.91	9.40	7.23	6.65	6.85	7.11
1987	6.46	7.29	6.70	6.44	7.08	9.05	7.60	7.27	7.32	7.74	7.70	7.58	8.38
1988	8.46	9.66	6.46	8.91	9.47	11.40	14.20	14.70	15.60	15.60	14.70	14.00	12.50
1989	12.40	15.90	12.30	12.10	11.10	8.29	10.50	10.60	12.70	11.70	13.40	13.60	12.10
1990	13.00	13.10	13.90	11.40	16.30	14.70	4/	4/	14.00	11.50	11.80	11.30	11.80

ALL WHEAT 5/
(Dollars Per Bushel)

1986	3.16	3.17	3.25	3.33	3.26	2.52	2.28	2.36	2.34	2.33	2.41	2.56	2.43
1987	2.56	2.60	2.59	2.55	2.41	2.35	2.29	2.23	2.41	2.58	2.58	2.59	2.57
1988	2.64	2.74	2.68	2.59	2.90	3.17	3.52	3.47	3.68	3.81	3.62	3.77	3.79
1989	3.87	3.83	4.02	3.88	4.01	3.96	3.77	3.72	3.64	3.61	3.66	3.61	3.63
1990	3.60	3.52	3.56	3.54	3.59	3.45	3.09	2.54	2.36	2.34	2.32	2.35	2.50

OATS 5/
(Dollars Per Bushel)

1986	1.22	1.22	1.13	1.13	1.11	1.07	0.86	0.82	1.01	1.09	1.43	1.54	1.28
1987	1.57	1.44	1.41	1.68	1.51	1.40	1.27	1.38	1.50	1.55	1.47	1.71	1.62
1988	1.72	1.79	1.79	1.84	1.78	2.58	2.93	2.65	2.65	2.59	2.39	2.60	2.59
1989	2.63	2.67	2.61	2.36	2.25	1.74	1.49	1.75	1.39	1.45	1.59	1.62	1.51
1990	1.54	1.45	1.32	1.46	1.45	1.31	1.11	.99	1.03	1.16	1.09	1.06	1.05

1/ Marketing year, October through September. 2/ 1990 is preliminary. 3/ Marketing year, September through August. 4/ Volume of sales too small to estimate a price. 5/ Marketing year, July through June.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR CROPS (CONT'D)

BARLEY 1/
(Dollars Per Bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual Average Price 2/
1986	1.86	1.76	1.78	1.90	1.63	1.50	1.26	1.10	1.21	1.39	1.53	1.51	1.47
1987	1.40	1.48	1.55	1.62	1.58	1.61	1.45	1.40	1.49	1.58	1.57	1.59	1.74
1988	1.61	1.68	1.65	1.64	1.76	2.38	2.71	2.95	2.89	2.64	3.00	2.52	2.67
1989	2.53	2.70	2.67	2.75	2.60	2.31	2.22	2.81	2.85	2.83	2.67	2.73	2.62
1990	2.55	2.36	2.24	2.36	2.38	2.27	1.88	1.77	1.77	1.90	1.87	1.98	1.85

ALL HAY, BALED 3/
(Dollars Per Ton)

1986	65.00	69.00	75.00	70.00	71.00	46.00	46.00	43.00	42.00	54.00	54.00	54.00	52.50
1987	58.00	53.00	56.00	57.00	57.00	57.00	65.00	64.00	64.00	64.00	59.00	63.00	63.50
1988	60.00	64.00	63.00	70.00	66.00	70.00	92.00	103.00	86.00	98.00	94.00	89.00	98.00
1989	95.00	107.00	112.00	119.00	117.00	105.00	94.00	73.00	75.00	76.00	69.00	84.00	85.50
1990	88.00	93.00	87.00	87.00	87.00	100,00	89.00	82.00	80.00	78.00	79.00	77.00	85.00

ALFALFA HAY, BALED 3/
(Dollars Per Ton)

1986	74.00	75.00	79.00	77.00	72.00	48.00	50.00	45.00	43.00	56.00	55.00	58.00	-----
1987	62.00	56.00	60.00	60.00	62.00	62.00	67.00	69.00	67.00	69.00	67.00	67.00	-----
1988	65.00	70.00	66.00	74.00	70.00	72.00	98.00	111.00	112.00	106.00	100.00	100.00	-----
1989	106.00	118.00	123.00	128.00	124.00	112.00	95.00	87.00	90.00	86.00	87.00	94.00	-----
1990	95.00	101.00	102.00	101.00	103.00	106.00	97.00	89.00	88.00	84.00	85.00	90.00	

ALL OTHER HAY, BALED 3/
(Dollars Per Ton)

1986	52.00	52.00	54.00	53.00	50.00	39.00	32.00	35.00	38.00	44.00	45.00	44.00	-----
1987	41.00	37.00	42.00	40.00	41.00	41.00	47.00	51.00	48.00	48.00	48.00	46.00	-----
1988	44.00	50.00	43.00	54.00	48.00	52.00	73.00	77.00	75.00	75.00	68.00	73.00	-----
1989	75.00	83.00	86.00	89.00	87.00	79.00	65.00	59.00	59.00	57.00	57.00	62.00	-----
1990	61.00	62.00	64.00	65.00	64.00	64.00	64.00	59.00	57.00	54.00	54.00	58.00	

FLAXSEED 1/
(Dollars Per Bushel)

1986	4.63	4.76	4.95	4.87	4.52	4.61	3.93	3.59	3.56	3.42	3.45	3.37	3.39
1987	2.94	3.00	2.96	3.13	3.74	2.95	3.37	3.43	3.08	3.03	3.25	3.40	3.43
1988	3.40	3.70	3.79	4.30	4.58	4.86	6.63	6.09	8.55	8.43	7.50	7.70	7.43
1989	4/	4/	4/	7.79	4/	4/	5.27	6.53	6.97	7.06	4/	4/	6.74
1990	4/	7.26	4/	4/	4/	4/	4/	5.90	5.61	5.52	6.10	5.37	5.85

POTATOES 1/
(Dollars Per Cwt.)

1986	3.20	3.10	2.85	2.55	3.10	4/	6.75	6.75	3.55	3.30	4.35	4.60	4.50
1987	4.80	4.80	5.10	5.40	5.90	4/	3.95	2.85	3.05	3.20	3.35	3.60	3.25
1988	3.40	3.70	3.85	3.70	3.25	4/	7.00	5.40	3.85	3.80	7.40	7.05	6.30
1989	6.55	5.55	8.35	10.20	10.10	4/	13.20	6.20	4.90	4.25	5.15	7.40	6.05
1990	6.25	7.35	8.50	9.10	9.25	4/	4/	7.00	4.80	4.90	5.65	5.25	6.25

1/ Marketing year, July through June. 2/ 1990 is preliminary. 3/ Marketing year, June through May. 4/ Volume of sales too small to estimate a price.

Livestock, Dairy, Poultry Prices

The livestock and dairy price statistics included in these tables are based on reports from farmers, auction markets, livestock buyers, meat and poultry processing plants, Market News Service, produce houses, eggs handlers and dealers, marketing cooperatives, dairy plants, and other firms doing business with farmers. The marketing year for livestock, dairy, and poultry items is a calendar year, except for hogs, chickens, and eggs, which are on a December-November basis.

The 1990 annual average prices for meat animals increased from 1989 except for lambs, which were down 19%. Record high prices were set for hogs, which increased 27% from 1989, and for beef cattle, up 7%. Sheep were up 3% while calves increased 10%. Table market eggs were 10% higher; however, wool prices fell 49% and turkey prices were 5% lower. The 1990 annual average price for all milk was 14 cents higher than a year earlier, for the highest on record. Manufacturing grade milk was down 2 cents while grade A milk was up 16 cents.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR LIVESTOCK

BEEF CATTLE 1/
(Dollars Per Cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual Average Price
1986	49.10	47.90	48.00	45.60	48.60	47.60	49.50	51.30	51.40	50.90	51.70	49.00	49.20
1987	52.50	54.70	56.20	59.90	61.00	61.10	58.50	58.50	61.20	58.60	57.10	58.00	58.10
1988	59.30	62.10	64.60	65.00	67.50	61.90	58.70	61.50	62.50	62.40	61.70	62.90	62.50
1989	64.30	65.30	67.80	66.80	67.20	64.50	63.60	64.50	64.30	64.10	64.30	68.40	65.40
1990	68.30	70.50	70.40	71.40	70.00	69.20	67.80	69.40	70.20	70.60	72.90	72.40	70.30

STEERS AND HEIFERS
(Dollars Per Cwt.)

1986	55.30	52.70	52.00	50.20	51.90	51.00	54.10	56.50	56.70	56.10	58.10	56.70	54.30
1987	56.20	59.00	60.10	63.60	65.30	65.60	63.10	63.20	65.30	63.50	62.30	62.90	62.50
1988	64.10	67.00	69.40	69.30	72.10	67.30	63.50	65.90	67.50	68.00	68.00	69.20	67.60
1989	70.30	70.80	73.20	72.60	71.90	69.30	67.70	69.80	68.60	68.80	70.10	73.80	70.60
1990	73.90	75.60	75.00	76.30	74.00	72.30	70.90	72.60	73.50	75.50	79.20	77.90	74.90

COWS 2/
(Dollars Per Cwt.)

1986	34.10	35.50	36.70	34.40	36.60	37.00	36.30	35.60	36.20	35.80	33.90	34.40	35.40
1987	38.90	40.30	42.60	42.60	41.50	43.00	43.30	43.40	44.70	43.20	43.00	44.60	42.60
1988	45.40	47.10	48.00	47.80	48.10	43.20	44.40	45.80	46.20	44.40	43.00	44.90	45.60
1989	45.90	48.80	46.90	46.30	46.80	47.50	47.70	48.80	48.90	47.50	46.10	48.10	47.40
1990	48.80	51.50	52.00	51.90	52.10	53.20	52.70	53.70	52.90	49.10	45.50	48.40	50.70

CALVES
(Dollars Per Cwt.)

1986	53.90	56.90	55.20	51.90	55.40	58.40	53.00	58.10	62.50	60.40	62.20	61.20	58.30
1987	67.10	70.50	70.10	73.60	76.50	80.60	78.00	86.10	85.80	82.10	79.70	81.60	78.30
1988	82.00	88.50	87.10	88.90	94.90	86.00	80.30	94.00	89.80	86.90	84.20	84.20	87.50
1989	88.80	90.60	91.10	88.20	92.00	94.80	96.80	98.80	94.30	90.40	87.80	87.50	91.10
1990	92.70	103.00	98.10	103.00	108.00	102.00	109.00	114.00	104.00	96.40	96.30	94.50	100.00

1/ "Cows" and "Steers and Heifers" combined.
2/ Beef cows sold for slaughter and herd replacement and cull dairy cows sold for slaughter.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR LIVESTOCK (CONT'D)

HOGS 1/ 2/
(Dollars Per Cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1986	44.50	42.70	41.00	40.20	46.90	54.40	60.40	63.70	59.70	53.70	53.10	51.20	50.70
1987	47.30	48.30	48.90	51.40	55.30	60.70	61.30	59.80	54.30	48.80	40.60	41.00	51.80
1988	43.70	46.40	42.40	42.40	47.90	47.70	45.20	45.60	40.80	39.00	36.40	40.60	43.10
1989	41.70	40.60	39.50	37.30	42.70	45.80	47.20	47.00	44.50	47.90	46.30	49.70	43.60
1990	48.80	49.50	52.30	54.30	63.70	61.70	62.70	57.00	56.60	58.80	51.50	49.40	55.20

BARROWS AND GILTS 1/
(Dollars Per Cwt.)

1986	45.00	43.00	41.30	40.40	47.30	55.30	61.00	64.40	60.00	53.90	53.40	51.70	51.10
1987	47.50	48.50	49.20	51.60	55.80	61.50	62.00	60.30	54.60	49.10	41.00	41.50	52.20
1988	44.20	46.90	42.80	42.60	48.30	48.50	46.00	46.30	41.30	39.40	36.70	41.10	43.60
1989	42.20	40.80	39.70	37.50	43.10	46.70	48.00	47.70	44.90	48.20	46.70	50.00	44.00
1990	49.10	49.70	52.50	54.50	64.10	62.50	64.20	57.80	57.50	59.70	52.10	50.10	55.70

SOWS 1/
(Dollars Per Cwt.)

1986	36.70	37.20	35.50	36.40	39.00	44.20	49.60	53.60	53.50	48.50	46.30	42.50	43.10
1987	41.90	40.90	41.20	44.80	45.00	45.60	46.80	48.50	47.60	43.00	33.00	30.40	43.10
1988	32.90	35.10	34.00	34.50	37.20	33.20	31.10	33.40	31.70	30.30	27.10	28.30	32.50
1989	32.50	33.80	33.60	31.20	33.10	34.00	34.10	35.50	37.10	40.30	37.10	40.20	34.60
1990	42.70	42.20	46.50	50.30	53.10	51.30	46.30	48.70	45.80	48.00	43.70	39.80	46.80

SHEEP
(Dollars Per Cwt.)

1986	29.20	25.80	21.70	21.50	23.60	22.00	23.60	23.80	24.20	23.00	23.80	24.90	23.80
1987	26.80	26.70	25.20	23.40	22.20	21.20	22.70	25.20	24.80	24.00	25.90	30.10	24.60
1988	31.70	27.00	22.30	20.20	17.50	16.10	16.10	17.60	18.20	18.70	18.80	21.70	20.80
1989	26.00	24.70	21.90	19.00	15.80	18.10	19.70	17.40	16.80	17.40	20.90	24.60	19.30
1990	25.80	22.80	24.00	19.90	16.60	14.80	18.30	22.30	16.60	17.80	18.10	21.90	19.80

LAMBS
(Dollars Per Cwt.)

1986	65.60	69.80	65.10	72.30	79.10	74.30	72.10	69.10	64.40	60.20	68.40	74.10	69.10
1987	77.50	77.70	80.40	85.00	88.10	80.60	74.50	72.60	71.10	68.00	66.20	74.10	75.60
1988	82.80	79.30	78.70	73.20	73.20	58.90	61.20	56.60	60.60	63.70	63.40	67.00	67.20
1989	66.20	69.20	73.20	76.40	76.50	71.00	65.90	64.60	62.60	60.90	58.50	56.30	66.30
1990	54.50	58.60	63.10	55.30	59.10	54.50	52.30	49.60	47.30	46.60	43.50	45.10	53.70

WOOL
(Cents Per Pound)

1986	43	42	43	44	46	48	47	45	45	47	47	48	45
1987	50	50	53	55	57	57	56	50	65	54	61	68	57
1988	63	67	73	77	75	76	77	73	74	83	77	96	77
1989	87	91	84	79	72	67	69	66	64	62	58	59	78
1990	59	46	42	40	38	37	26	26	36	33	26	26	40

1/ Annual average price is the marketing year average – December previous year through November current year.
2/ The hog price is the weighted total of "barrows and gilts" and "sows."

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR MILK AND MILK COWS

ALL MILK
(Dollars Per Cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual Average Price
1986	11.78	11.65	11.54	11.45	11.37	11.26	11.29	11.70	12.31	12.67	12.94	12.75	11.85
1987	12.47	11.97	11.72	11.60	11.48	11.39	11.43	11.65	12.12	12.37	12.26	11.98	11.86
1988	11.71	11.33	11.12	10.96	10.83	10.71	10.86	11.37	12.15	12.84	13.31	13.30	11.67
1989	12.90	12.23	11.91	11.81	11.79	11.82	12.17	12.77	13.80	14.82	15.66	16.06	13.08
1990	15.06	13.55	13.23	13.23	13.57	13.97	14.03	13.82	13.34	11.95	11.56	11.04	13.22

FLUID MARKET MILK
(Dollars Per Cwt.)

1986	11.99	11.86	11.74	11.64	11.56	11.47	11.50	11.90	12.53	12.90	13.18	12.98	12.07
1987	12.69	12.24	11.96	11.82	11.70	11.61	11.63	11.85	12.32	12.59	12.46	12.18	12.08
1988	11.95	11.55	11.34	11.17	11.05	10.92	11.05	11.52	12.32	13.03	13.53	13.51	11.89
1989	13.13	12.48	12.15	12.02	12.01	12.03	12.38	12.97	13.98	15.02	15.85	16.30	13.32
1990	15.35	13.89	13.56	13.47	13.78	14.18	14.24	14.08	13.61	12.28	11.87	11.24	13.48

MANUFACTURING GRADE MILK
(Dollars Per Cwt.)

1986	11.31	11.20	11.11	11.04	10.96	10.83	10.82	11.26	11.80	12.10	12.34	12.16	11.35
1987	11.91	11.33	11.16	11.08	10.97	10.90	10.97	11.17	11.61	11.82	11.75	11.44	11.32
1988	11.11	10.78	10.58	10.45	10.32	10.20	10.40	10.98	11.70	12.34	12.70	12.69	11.12
1989	12.28	11.55	11.28	11.26	11.20	11.27	11.60	12.21	13.27	14.20	15.07	15.30	12.42
1990	14.17	12.49	12.21	12.48	12.93	13.32	13.36	12.98	12.44	10.80	10.43	10.31	12.40

MILK COWS 1/
(Dollars Per Head)

1986	680	---	---	750	---	---	780	---	---	760	---	---	745
1987	760	---	---	850	---	---	850	---	---	870	---	---	835
1988	900	---	---	950	---	---	870	---	---	890	---	---	905
1989	940	---	---	950	---	---	940	---	---	960	---	---	950
1990	1,080	---	---	1,090	---	---	1,100	---	---	1,140	---	---	1,100

1/ Milk cows sold for dairy herd replacement only.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR POULTRY

TURKEYS
(Cents Per Pound - Liveweight)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual Average Price
1986	33.0	37.0	37.0	38.0	41.0	47.0	47.0	49.0	48.0	49.0	48.0	37.0	45.0
1987	31.0	33.0	34.0	33.0	34.0	33.0	32.0	31.0	28.0	29.0	32.0	35.0	32.0
1988	33.0	34.0	34.0	33.0	32.0	35.0	39.0	39.0	42.0	44.0	43.0	37.0	38.0
1989	36.0	39.0	40.0	40.0	40.0	38.0	38.0	37.0	35.0	35.0	35.0	35.0	37.0
1990	34.0	35.0	36.0	35.0	35.0	35.0	35.0	35.0	36.0	36.0	35.0	33.0	35.0

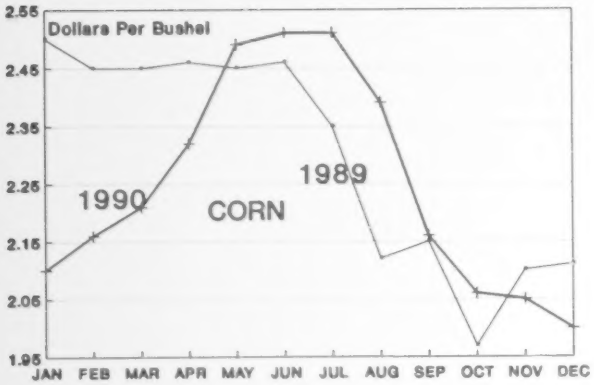
TABLE MARKET EGGS 1/
(Cents Per Dozen)

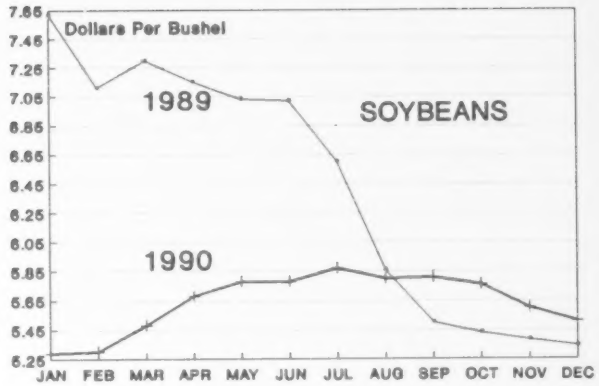
1986	48.0	45.0	53.0	42.0	41.0	35.0	41.0	47.0	46.0	41.0	51.0	50.0	45.1
1987	46.0	43.0	40.0	39.0	34.0	37.0	36.0	33.0	42.0	34.0	41.0	29.0	40.0
1988	32.0	30.0	34.0	29.0	27.0	31.0	39.0	42.0	46.0	43.0	40.0	39.0	35.0
1989	44.0	43.0	63.0	49.0	46.0	47.0	47.0	52.0	52.0	51.0	62.0	64.0	50.0
1990	73.0	57.0	62.0	60.0	47.0	50.0	37.0	50.0	49.0	55.0	58.0	61.0	55.2

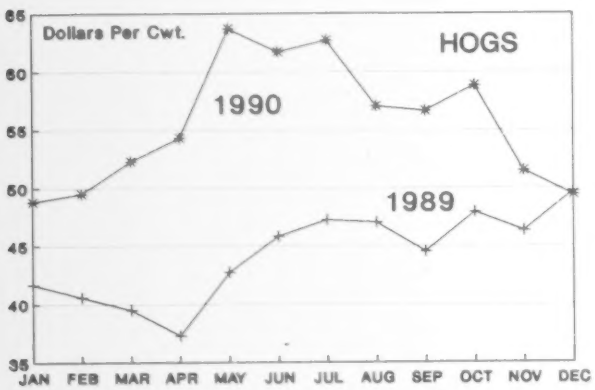
1/ Table market eggs include eggs sold retail by the producers but exclude hatching eggs. The annual average price is the marketing year average - December previous year through November current year.

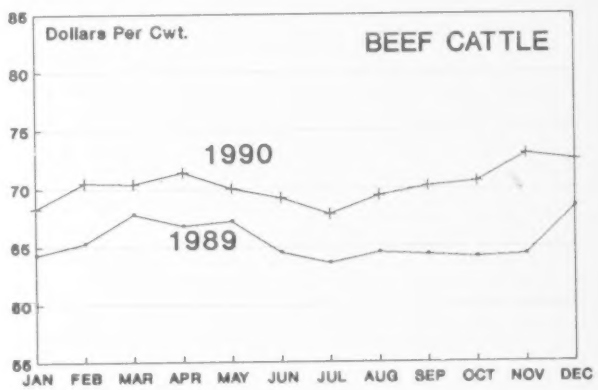
The Minnesota Department of Agriculture's 1990 State Fair Exhibit

Minnesota Prices Received

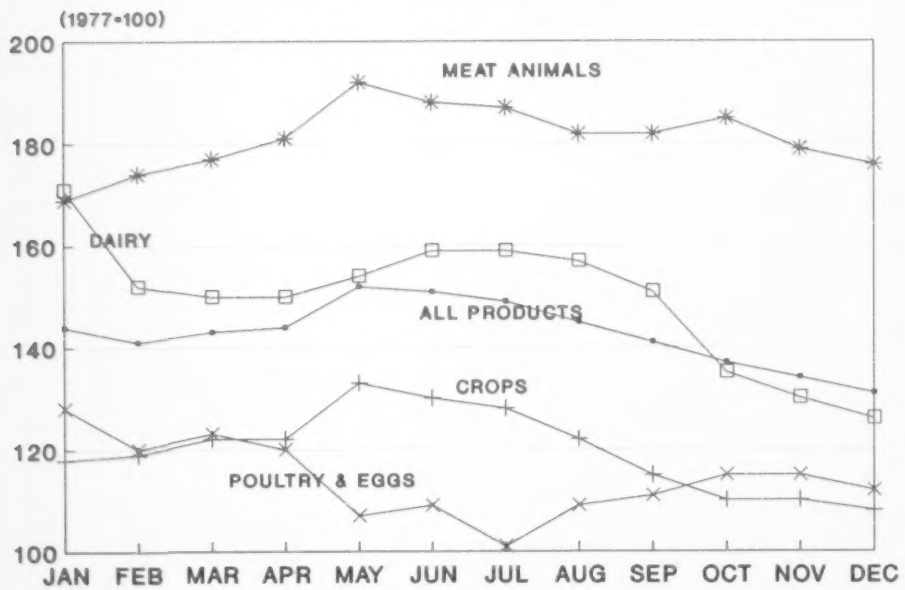








PRICES RECEIVED 1990:
MINNESOTA MONTHLY INDEXES



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